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ISSN 0840-5166

## METRO TORONTO (EASTERLY) WATER TREATMENT PLANT

## DRINKING WATER SURVEILLANCE PROGRAM

**ANNUAL REPORT 1989** 

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January 1991



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### EXECUTIVE SUMMARY

## DRINKING WATER SURVEILLANCE PROGRAM

## METRO TORONTO (EASTERLY) WATER TREATMENT PLANT 1989 ANNUAL REPORT

The Drinking Water Surveillance Program (DWSP) for Ontario is a program providing immediate, reliable, current information on drinking water quality. The DWSP officially began in April 1986 and is designed to eventually include all municipal supplies in Ontario. In 1989, 65 plants were being monitored.

The Metro Toronto (Easterly) Water Treatment Plant is a direct filtration plant that treats water from Lake Ontario. The process consists of coagulation, flocculation, filtration, disinfection and fluoridation. This plant has a design capacity of 550 x 1000m<sup>3</sup>/day and in conjunction with the R.C. Harris and R.L. Clark plants, serves a population of approximately 2,333,000 people.

Water samples from the raw, treated and two distribution system sites were taken on a monthly basis and analyzed for approximately 180 parameters. Parameters were divided into the following groups: Bacteriological, Inorganic and Physical (Laboratory Chemistry, Field Chemistry and Metals) and Organic (Chloroaromatics, Chlorophenols, Pesticides and PCB, Phenolics, Polynuclear Aromatic Hydrocarbons, Specific Pesticides and Volatiles). Specific Pesticides and Chlorophenols were analyzed in June and November only.

A summary of results is shown in Table A.

Inorganic and Physical parameters were below any applicable health related ODWOs.

Of a total of approximately 110 Organic parameters tested for on a monthly basis, none exceeded health related guidelines.

During 1989 the DWSP sampling results indicated that the Easterly Water Treatment Plant produced good quality water at the plant and this quality was maintained in the distribution system.

TABLE A

DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP)

SUMMARY TABLE BY SCAN

SCAN	TESTS	RAW POSITIVE XPOSITIVE		TRE	TREATED TESTS POSITIVE %POSITIVE	SITIVE	S TESTS	SITE 1 TESTS POSITIVE %POSITIVE		SI TESTS	SITE 2 TESTS POSITIVE XPOSITIVE	OSITIVE
BACTERIOLOGICAL	35	27	4	36	2	2	33	4	12	30	2	Ŷ
CHEMISTRY (FLD)	36	36	100	67	%	98	125	111	88	108	8	88
CHEMISTRY (LAB)	252	199	78	252	194	76	406	360	88	369	330	89
METALS	288	161	55	288	152	52	517	287	55	470	271	57
CHLOROAROMATICS	168	0	0	168	0	0	154	0	0	140	0	0
CHLOROPHENOLS	12	0	0	12	0	0	•		Đ	•	٠	0
РАН	191	0	0	191	0	0	٠		0	۰	٠	·
PESTICIDES & PCB	408	0	0	408	0	0	309	0	0	288	0	0
PHENOL ICS	12	Ŷ	50	12	¢	<b>%</b>	•		٠	•	٠	٠
SPECIFIC PESTICIDES	53	0	0	56	0	0	11	0	0	10	0	0
VOLATILES	348	2	**	348	49	14	319	44	13	261	36	13
	1803	434		1838	471		1874	806		1676	735	

A POSITIVE VALUE DENOTES THAT THE RESULT IS GREATER THAN THE STATISTICAL LIMIT OF DETECTION AND IS QUANTIFIABLE A '.' INDICATES THAT NO SAMPLE WAS TAKEN

NO KNOWN HEALTH RELATED GUIDELINES WERE EXCEEDED

TOTAL

## DRINKING WATER SURVEILLANCE PROGRAM

## METRO TORONTO (EASTERLY) WATER TREATMENT PLANT 1989 ANNUAL REPORT

## INTRODUCTION

The Drinking Water Surveillance Program (DWSP) for Ontario is a monitoring program providing immediate, reliable, current information on drinking water quality. The DWSP officially began in April 1986 and is designed to eventually include all municipal supplies in Ontario. In 1989, 65 plants were being monitored. The DWSP was initiated at the Metro Toronto (Easterly) Water Treatment Plant in July of 1986. Annual reports were published for 1986 (ISBN 0-7729-2553-4), 1987 and 1988 (ISSN 0840-5166).

This report contains information and results for 1989.

In order to accommodate the increasing number of plants on the DWSP and to facilitate the timely completion of the 1989 annual reports, plants with two or more years of published data will receive an abbreviated annual report. This report maintains the same general format as in previous years but does not include a comprehensive discussion of results. For more detail on the parameters analyzed and discussion of results, consult the 1987 and 1988 reports.

The Easterly Water Treatment Plant is a direct filtration plant which treats water from Lake Ontario. The process consists of coagulation, flocculation, filtration, disinfection and fluoridation. Superchlorination is used for disinfection and for taste and odour control. Sulphur dioxide is used as a dechlorinator and ammoniation is used to produce a long-lasting chloramine residual in the distribution system. This plant has a rated capacity of 550 x 1000m<sup>3</sup>/day and daily flows ranging from 192 x 1000m<sup>3</sup>/day to 518 x 1000m<sup>3</sup>/day. The Easterly Water Treatment Plant in conjunction with the R.C. Harris and R.L. Clark plants (and the Toronto Island plant during the summer months) serves a population of approximately 2,333,000 people.

The plant location is shown in Figure 1. Plant process details, in a block schematic, are shown in Figure 2. General plant information is presented in Table 2.

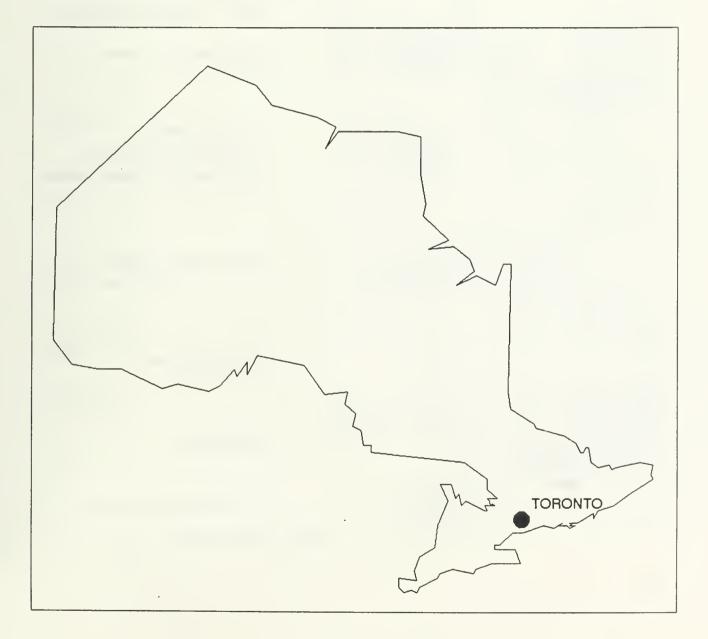
## SAMPLING AND ANALYSIS

Plant operating personnel perform analyses on parameters for process control (Table 1).

The Easterly Water Treatment Plant raw and treated water and two sites in the distribution system were sampled for approximately 180 parameters on a monthly basis. The Specific Pesticides and Chlorophenols scans were sampled for in June and November only. Polynuclear Aromatic Hydrocarbons and Phenolics are only analyzed

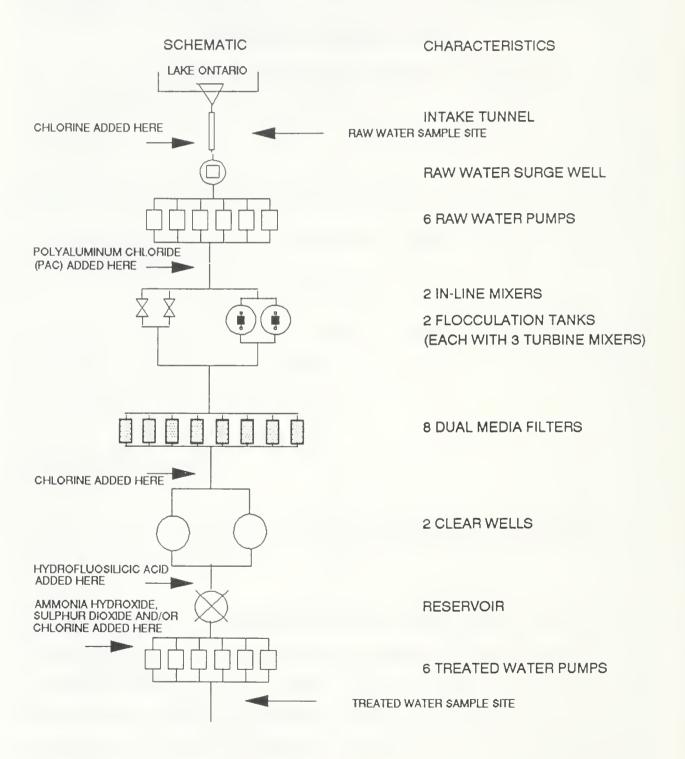
## FIGURE 1

## DRINKING WATER SURVEILLANCE PROGRAM SITE LOCATION MAP EASTERLY WATER TREATMENT PLANT



## Figure 2

## METRO TORONTO (EASTERLY) WATER TREATMENT PLANT



## DRINKING WATER SURVEILLANCE PROGRAM ANNUAL REPORT

## IN-PLANT MONITORING METRO TORONTO (EASTERLY) WTP 1989

PARAMETER		LOCATION	FREQUENCY
Aluminum		Treated water	daily
Ammonia		Raw water After filters Treated water	every 2hrs every 2hrs every 2hrs
Chlorine residual -	free total	After clearwell After reservoir After filters After prechlorination Treated water	continuous continuous continuous continuous continuous
Colour		Raw water After filters Treated water	daily daily daily
рН		Raw water Treated water	continuous daily daily
Taste and odour		After filters Treated water	hourly hourly
Temperature		Raw water	continuous
Turbidity		Raw water After filters Treated water	continuous continuous continuous

## DRINKING WATER SURVEILLANCE PROGRAM ANNUAL REPORT

## GENERAL INFORMATION

## METRO TORONTO (EASTERLY) WATER TREATMENT PLANT

LOCATION:

201 COPPERFIELD RD WEST HILL, ONTARIO M1E 4S1 (416-392-2574)

SOURCE: RAW WATER SOURCE - LAKE ONTARIO

RATED CAPACITY: 550 (1000 M3/DAY)

**OPERATION:** 

MUNICIPAL

- PLANT SUPERINTENDENT: W. RIDDOCK
- MINISTRY REGION: CENTRAL
- DISTRICT OFFICER: D. HOGG

MUNICIPALITY SERVED

CITY OF TORONTO CITY OF ETOBICOKE CITY OF NORTH YORK CITY OF SCARBOROUGH CITY OF YORK BOROUGH OF EAST YORK REGION OF YORK (SOUTH) 615,000 298,490 556,308 461,957 133,856 97,679

170,000

POPULATION

for in the raw and treated water at the plant. As of August the triazine pesticides were only analyzed in the raw and treated water. Laboratory analysis was conducted at the Ministry of the Environment facilities in Rexdale, Ontario.

## RESULTS

Field Chemistry measurements were recorded on the day of sampling and were entered onto the DWSP data base as submitted by plant personnel.

Table 3 contains information on the sample day retention time, flow rate and treatment chemicals used and their associated dosages.

Table 4 is a summary break-down of the number of water samples analyzed for by parameter and by water type. The number of times that a positive or trace result was detected is also reported.

Positive denotes that the result is greater than the statistical limit of detection established by the Ministry of the Environment (MOE) laboratory staff and is quantifiable. Trace (<T) denotes that the level measured is greater than the lowest value detectable by the method but lies so close to the detection limit that it cannot be confidently quantified.

Table 5 presents the results for parameters detected on at least one occasion.

Table 6 lists all parameters analyzed in the DWSP.

Associated guidelines and detection limits are also supplied on both tables. Parameters are listed alphabetically within each scan.

## DISCUSSION

## General

Water quality is judged by comparison with the Ontario Drinking Water Objectives (ODWOS) as defined in the 1984 publication (ISBN 0-7743-8985-0). The Province of Ontario has health related and aesthetic objectives for 49 parameters, which are currently under review. When an ODWO is not available guidelines/limits from other agencies are consulted. The Parameter Listing System (PALIS) recently published (ISBN 0-7729-4461-x) by the MOE catalogues and keeps current over 1750 guidelines for 650 parameters from agencies throughout the world.

Many of the compounds detected are naturally occurring or are treatment by-products.

IN THIS REPORT, DISCUSSION IS LIMITED TO THE TREATED AND DISTRIBUTED WATER AND ADDRESSES ONLY THOSE PARAMETERS WITH CONCENTRATIONS ABOVE GUIDELINE VALUES AND ORGANICS WITH DETECTED POSITIVE RESULTS.

Results for treated and distributed water indicate that no applicable health related guidelines were exceeded.

## Bacteriology

## Standard Plate Count

The ODWO for Standard Plate Count of 500 counts/mL (indicating some deterioration) was exceeded, once in the Site 2 water in August.

## Inorganic and Physical Parameters

## Ammonium

The Total Ammonium levels are high, not as a result of naturally occurring ammonia (eg. from sewage pollution) but from the anhydrous ammonia added in the treatment process. The ammonia is added after post-chlorination to provide a long lasting combined chlorine (chloramine) residual in the distribution system. Substantial free chlorine residuals were present in the treated water in September, October and November. While the European Economic Community has an aesthetic guideline of .05 mg/L, the Maximum Admissible Concentration is .50 mg/L and is set as a result of the concern for potential sewage pollution and its detection.

## Aluminum

The plant operational guideline of 100  $\mu$ g/L as Al in the water leaving the plant was exceeded four times in the treated water.

## Trihalomethanes

Trihalomethanes (THMs) are acknowledged to be produced during the water treatment process and will always occur in chlorinated surface waters. THMs are comprised of Chloroform, Chlorodibromomethane and Dichlorobromomethane. Bromoform occurs occasionally. Results are reported for the individual compounds as well as for total THMs. All Total THM occurrences, ranging from 13.7 to 25.2  $\mu$ g/L, were well below the ODWO of 350  $\mu$ g/L.

## CONCLUSIONS

The Metro Toronto (Easterly) Water Treatment Plant for the sample year of 1989 produced good quality water at the plant as assessed by the results for parameters analyzed in DWSP and this quality was maintained in the distribution system.

Raw and treated water quality for 1986 through to 1989 has remained consistent.

No health related guidelines, for organic or inorganic parameters, were exceeded.

	SAMPLE D	DAY CONDITIONS	IONS		TREA	TREATMENT CHEMICAL DOSAGES (MG/L)	SAGES (MG/L)	
DATE	DELAY * TIME (Hrs)	FLOW (1000m <sup>3</sup> )	PRE-CHLORINATION Cl <sup>-</sup>	N COAGULATION PAC	POST-CHLORINATION Cl <sup>-</sup>	FLUORIDATIO H <sub>2</sub> SiF <sub>6</sub>	N DECHLORINATION SO <sub>2</sub> AN	rion chloramination Anhydrous nh <sub>3</sub>
JAN 17	6.4	389.0	.80	. 68	.95	1.04	.37	.19
	6.5	360.0	.80	.74	1.73	1.05	1.87	.21
<b>MAR 21</b>	6.5	•	.80	. 69	.71	.95	.24	.20
<b>APR 18</b>	7.5	380.0	.80	. 68	1.71	1.04	1.02	.16
MAY 16	0.	•	.80	.67	.82	. 98	.25	.16
JUN 20	5.0	501.0	.80	.70	.75	• 99	.22	.16
JUL 18	4.8	518.4	.80	.78	1.77	1.02	.92	.17
AUG 22	7.2	343.6	.80	1.17	1.86	1.00	.82	.17
SEP 19	6.4	389.0	.80	1.18	1.77	1.03	1.10	.16
OCT 17	6.4	389.0	.80	.68	.78	1.03	.18	.17
NOV 21	6.6	376.0	.80	.54	.58	66.	.20	.16
DEC 18	13.0	192.0	.80	.57	.66	1.11	.20	.17

DRINKING WATER SURVEILLANCE PROGRAM EASTERLY

SCAN	PARAMETER	TOTAL	RAW TOTAL POSITIVE TRACE	TRACE	TREATED TOTAL POSITIVE	TED SITIVE TR	TRACE	SITE 1 TOTAL POSITIVE	1 ITIVE 1	TRACE	SI TOTAL P	SITE 2 TOTAL POSITIVE	TRACE	
BACTERIOLOGICAL	FECAL COLIFORM MF STANDRD PLATF CWT MF	11	2	0	• 1	• •	• =	. 5	• •	۰c	٠Ę	• •	• • •	
	DLIFORM MF	12	11	• 0	12	10	0	: [	0	0	10		0	
	T COLIFORM BCKGR0 MF	12	11	0	12	0	0	11	0	0	10	0	0	_
*TOTAL SCAN BACTERIOLOGICAL	DLOGICAL	35	27	0	36	2	0	33	4	0	30	2	0	_
*TOTAL GROUP BACTERIOLOGICAL	OLOGICAL	35	27	0	36	2	0	33	4	0	30	2	0	_
			8 8 9 8 8 8 8 8		8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8			8 8 9 9 9 9 8 9 8 9 9 9 9 9 9 9 9 9 9 9	8			* * * * *	8	8
CHEMISTRY (FLD)	FLO CHLORINE (COMB)	•	•	•	12	12	0	22	22	0	18	18	0	_
	FLO CHLORINE FREE	٠	•	•	7	9	0	15	-	0	12	0	0	_
	FLD CHLORINE (TOTAL)	•	•		12	12	0	22	22	0	18	18	0	_
	FLD PH	12	12	0	12	12	0	22	22	0	20	20	0	_
	FLD TEMPERATURE	12	12	0	12	12	0	22	22	0	20	20	0	_
	FLD TURBIDITY	12	12	0	12	12	0	22	22	0	20	20	0	_
*TOTAL SCAN CHEMISTRY (FLD)	( LTD)	36	36	0	67	8	0	125	111	0	108	96	0	_
CHEMISTRY (LAB)	ALKALINITY	12	12	0	12	12	0	22	22	0	20	20	. 0	;
	CALCIUM	12	12	0	12	12	0	22	22	0	20	20	0	_
	CYANIDE	12	0	0	12	0	0	11	0	0	10	0	0	-
	CHLORIDE	12	12	0	12	12	0	22	22	0	20	20	0	-
	COLOUR	12	1	11	12	0	12	22	0	22	20	0	20	_
	CONDUCTIVITY	12	12	0	12	12	0	22	22	0	20	20	0	_

# DRINKING WATER SURVEILLANCE PROGRAM EASTERLY

SUMMARY TABLE OF RESULTS (1989)

		SITE											
SCAN	PARAMETER	TOTAL	RAW TOTAL POSITIVE TRACE	IRACE	TREATED TOTAL POSITIVE TRACE	TED SITIVE	TRACE	SITE 1 TOTAL POSITIVE TRACE	re 1 SSITIVE	TRACE	SITE 2 TOTAL POSITIVE TRACE	E 2 SITIVE T	RACE
CHEMISTRY (LAB)	FLUORIDE	12	12	0	12	12	0	22	22	0	20	20	0
	HARDNESS	12	12	0	12	12	0	22	22	0	20	20	0
	IONCAL	12	12	0	12	12	0	22	22	0	20	20	0
	LANGELIERS INDEX	12	12	0	12	12	0	21	21	0	19	19	0
	MAGNESIUM	12	12	0	12	12	0	22	22	0	20	20	0
	WD100S	12	12	0	12	12	0	22	22	0	20	20	0
	AMMONIUM TOTAL	12	9	**	12	12	0	22	22	0	20	20	0
	NITRITE	12	£	6	12	0	12	22	11	11	20	12	80
	TOTAL NITRATES	12	12	0	12	12	0	22	22	0	20	20	0
	NITROGEN TOT KJELD	12	12	0	12	12	0	22	22	0	20	20	0
	Н	12	12	0	12	12	0	22	22	0	20	20	0
	PHOSPHORUS FIL REACT	12	0	9	12	m	7	•	•	•		•	
	PHOSPHORUS TOTAL	12	6	m	12	1	11		•	•	•	•	
	SULPHATE	12	12	0	12	12	0	22	22	0	20	20	0
	TURBIDITY	12	12	0	12	10	2	22	20	2	20	19	-
*TOTAL SCAN CHEMISTRY (LAB)	(TAB.)	252	8	30	252	194	77	406	360	35	369	330	62
				8									i
METALS	SILVER	12	0	m	12	0	2	22	0	7	20	0	4
	ALUMINUM	12	12	0	12	12	0	22	22	0	20	20	0
	ARSENIC	12	6	m	12	11	F	22	18	4	20	14	9
	BARIUM	12	12	0	12	12	0	22	22	0	20	20	0
	BORON	12	12	0	12	12	0	22	22	0	20	20	0
	BERYLLIUM	12	0	8	12	0	2	22	0	10	20	0	10

DRINKING WATER SURVEILLANCE PROGRAM EASTERLY

SUMMARY TABLE OF RESULTS (1989)

		SITE											
			RAW		TREATED	TED		SITE	E 1		SITE 2	0	
SCAN	PARAMETER	TOTAL	POSITIVE TRACE	TRACE	TOTAL POSITIVE TRACE	SITIVE T	RACE	TOTAL POSITIVE TRACE	SITIVE T	RACE	TOTAL POSITIVE	LIVE TF	TRACE
METALS	CADMIUM	12	0	2	12	0	'n	22	0	~	20	0	9
	COBALT	12	0	12	12	0	11	22	0	22	20	0	18
	CHROMIUM	12	6	m	12	6	2	22	16	4	20	12	9
	COPPER	12	12	0	12	12	0	22	22	0	20	19	-
	IRON	12	0	10	12	0	9	22	0	13	20	ñ	17
	MERCURY	12	-	m	12	0	5	11	0	m	10	0	4
	MANGANESE	12	12	0	12	2	10	22	9	16	20	20	0
	MOLYBOENUM	12	12	0	12	12	0	22	22	0	20	20	0
	NICKEL	12	٣	6	12	2	10	22	11	11	20	10	10
	LEAD	12	10	2	12	12	0	22	22	0	20	19	-
	ANTIMONY	12	11	-	12	11	-	22	21	-	20	19	-
	SELENIUM	12	0	4	12	0	80	22	0	18	20	0	14
	STRONTIUM	12	12	0	12	12	0	22	22	0	20	20	0
	TITANIUM	12	11	-	12	11	-	22	19	m	20	18	2
	THALLIUM	12	0	2	12	0	4	22	0	7	20	0	7
	URAHIUM	12	11	-	12	11	٢	22	20	2	20	18	2
	VANAD I UM	12	0	12	12	0	12	22	0	22	20	0	20
	ZINC	12	12	0	12	11		22	22	0	20	19	-
*TOTAL SCAN METALS		288	161	76	288	152	85	517	287	150	470	271	130
*TOTAL GROUP INORGANIC & PHYSICAL	VIC & PHYSICAL	576	396	106	607	412	129	1048	758	185	647	697	159
9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		8			6 6 8 9 9 9 8 8 8 9 8 9 9 9 9 9 9 9 9 9	8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	8	8 0 0 0 0 0 0					
CHLORDAROMATICS	HEXACHLOROBUTAD I ENE	12	0	0	12	0	0	11	0	0	10	0	0
	123 TRICHLOROBENZENE	12	0	0	12	0	0	11	0	0	10	0	0

TABLE 4

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# DRINKING WATER SURVEILLANCE PROGRAM EASTERLY

		SITE												
SCAN	PARAMETER	TOTAL	RAW TOTAL POSITIVE TRACE	TRACE	TOTAL	TREATED TOTAL POSITIVE TRACE	TRACE	TOTA	SITE 1 TOTAL POSITIVE TRACE	E TRAC		SITE 2 TOTAL POSITIVE TRACE	IVE TR.	ACE
CHLOROAROMATICS	1234 T-CHLOROBENZENE	12	0	0	12	0	0				0	10	0	0
	1235 T-CHLOROBENZENE	12	0	0	12	0	0	-	-	_	0	10	0	0
	124 TRICHLOROBENZENE	12	0	0	12	0	0	-	-	_	0	10	0	0
	1245 T-CHLOROBENZENE	12	0	0	12	0	0	-	-	0	0	10	0	0
	135 TRICHLOROBENZENE	12	0	0	12	0	0	-	-	0	0	10	0	0
	HCB	12	0	0	12	0	0	Ļ	-	0	0	10	0	0
	HEXACHLOROETHANE	12	0	0	12	0	0	-	-	0	0	10	0	0
	<b>OCTACHLOROSTYRENE</b>	12	0	0	12	0	0	-	-	0	0	10	0	0
	<b>PENTACHLOROBENZENE</b>	12	0	0	12	0	0	-	11	0	0	10	0	0
	236 TRICHLOROTOLUENE	12	0	0	12	0	0	-	-	0	0	10	0	0
	245 TRICHLOROTOLUENE	12	0	0	12	0	0	-	-	0	0	10	0	0
	26A TRICHLOROTOLUENE	12	0	0	12	0	0	-	-	0	0	10	0	0
			¢	0		Ċ	c				c		c	c
"TOTAL SCAN CHLORDAROMATICS	MALLES	100	Ð	•	8	5	5	\$C		5	5	0	5	5
CHLOROPHENOLS	234 TRICHLOROPHENOL	2	0	0	2	0	0						8 8 8 8 4 8	3 8 • 8 •
	2345 T-CHLOROPHENOL	2	0	0	2	0	0						•	٠
	2356 T-CHLOROPHENOL	2	0	0	2	0	0		•			•		•
	245-TRICHLOROPHENOL	2	0	0	2	0					•	٠	•	٠
	246-TRICHLOROPHENOL	2	0	0	2	0	0		•				٠	•
	PENTACHLOROPHENOL	2	0	0	2	0	0		•		•		٠	•
*TOTAL SCAN CHLOROPHENOLS	S TONE	12	0	0	12	0	0		0	0	0	0	0	0

DRINKING WATER SURVEILLANCE PROGRAM EASTERLY

		SITE											
SCAN	PARAMETER	TOTAL	RAU TOTAL POSITIVE TRACE	TRACE	TREATED TOTAL POSITIVE TRACE	SITIVE	TRACE	SITE 1 TOTAL POSITIVE TRACE	1 TIVE TRA		SITE 2 TOTAL POSITIVE TRACE	Z TIVE TR	ACE
PAH	PHENANTHRENE	12	0	0	12	0	0	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	P 1 1 1 1 1 7 1 1	2 2 2 •	8 8 9 9 9 9 9 9 9 8 8 8 8 8	6 8 8 8 8 8 8 8	k t t t t
	ANTHRACENE	12	0	0	12	0	0		٠	•	٠	•	٠
	FLUORANTHENE	12	0	0	12	0	0	•	•		•	٠	
	PYRENE	12	0	0	12	0	0	•	•		•	•	•
	<b>BENZO(A)ANTHRACENE</b>	12	0	0	12	0	0				٠	٠	٠
	CHRYSENE	12	0	0	12	0	0	•	•		٠	٠	٠
	DIMETH. BENZ(A)ANTHR	4	0	0	4	0	0	۰					٠
	BENZO(E) PYRENE	12	0	0	12	0	0	0	•		•	٠	•
	BENZO(B) FLUORANTHEN	12	0	0	12	0	0		٠	•	•	٠	•
	PERYLENE	12	0	0	12	0	0		•	•		٠	•
	BENZO(K) FLUORANTHEN	12	0	0	12	0	0	•			٠		٠
	BENZO(A) PYRENE	2	0	0	7	0	0	٠	٠		٠	4	•
	BENZO(G,H,I) PERYLEN	12	0	0	12	0	0	•	•	٠	•	٠	•
	DIBENZO(A, H) ANTHRAC	12	0	0	12	0	0		•	4	•	٠	
	INDENO(1,2,3-C,D) PY	12	0	0	12	0	0	•	٠	•	٠	•	•
	BENZO(B) CHRYSENE	12	0	0	12	0	0			٠		•	•
	CORONENE	12	0	0	12	0	0	٠	٠	•	٠	٠	٠
*TOTAL SCAN PAH		191	0	0	191	0	0	0	0	0	0	0	0
		0 0 0 0 0	5 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	*		8	2 2 2 2 3 3 3		8		0 0 1 1 1 1 1 1 1		1 1 1 1
PESTICIDES & PCB	ALDRIN	12	0	0	12	0	0	11	0	0	10	0	0
	ALPHA BHC	12	0	2	12	0	10	11	0	S	10	0	9
	BETA BHC	12	0	0	12	0	0	11	0	0	10	0	0
	LINDANE	12	0	0	12	0	0	11	0	0	10	0	0

,

DRINKING WATER SURVEILLANCE PROGRAM EASTERLY

		SITE											
SCAN	PARAMETER		RAU POSITIVE TRACE	TRACE	TREATED TOTAL POSITIVE TRACE	ED	RACE	SITE 1 TOTAL POSITIVE TRACE	E 1 SITIVE TF		SITE 2 TOTAL POSITIVE	2 TIVE TR	TRACE
PESTICIDES & PCB	ALPHA CHLORDANE	12	0	0	12	0	0	11	0	0	10	0	0
	_	12	0	0	12	0	0	11	0	0	10	0	0
	DIELDRIN	12	0	0	12	0	0	11	0	0	10	0	0
	METHOXYCHLOR	12	0	0	12	0	0	11	0	0	10	0	0
	ENDOSULFAN 1	12	0	0	12	0	0	11	0	0	10	0	0
	ENDOSULFAN II	12	0	0	12	0	0	11	0	0	10	0	0
	ENDRIN	12	0	0	12	0	0	11	0	0	10	0	0
	ENDOSULFAN SULPHATE	12	0	0	12	0	0	11	0	0	10	0	0
	HEPTACHLOR EPOXIDE	12	0	0	12	0	0	11	0	0	10	0	0
	HEPTACHLOR	12	0	0	12	0	0	11	0	0	10	0	0
	MIREX	12	0	0	12	0	0	11	0	0	10	0	0
	OXYCHLORDANE	12	0	0	12	0	0	11	0	0	10	0	0
	OPDD T	12	0	0	12	0	0	11	0	0	10	0	0
	PCB	12	0	0	12	0	0	11	0	0	10	0	0
	000	12	0	0	12	0	0	11	0	0	10	0	0
	PPODE	12	0	0	12	0	0	11	0	0	10	0	0
	PPDDT	12	0	0	12	0	0	11	0	0	10	0	0
	AMETRINE	12	0	0	12	0	0	9	0	0	9	0	0
	ATRAZINE	12	0	0	12	0	0	9	0	0	6	0	0
	ATRATONE	12	0	0	12	0	0	9	0	0	9	0	0
	CYANAZINE (BLADEX)	12	0	0	12	0	0	9	0	0	9	0	0
	D-ETHYL ATRAZINE	12	0	0	12	0	0	9	0	0	9	0	0
	D-ETHYL SIMAZINE	12	0	0	12	0	0	9	0	0	9	0	0
	PROME TONE	12	0	0	12	0	0	9	0	0	9	0	0
	PROPAZINE	12	0	0	12	0	0	9	0	0	9	0	0

DRINKING WATER SURVEILLANCE PROGRAM EASTERLY

SCAN		SITE											
	PARAMETER	TOTAL	RAW TOTAL POSITIVE TRACE		TREATED TOTAL POSITIVE TRACE	IVE TR		SITE TOTAL POSI	SITE 1 TOTAL POSITIVE TRACE	TRACE	SITE 2 TOTAL POSITIVE TRACE	2 ITIVE T	RACE
PESTICIDES & PCB	PROMETRYNE	12	0	0	12	0	0	\$	0	0	9	0	0
	METRIBUZIN (SENCOR)	12	0	0	12	0	0	9	0	0	9	0	0
	SIMAZINE	12	0	0	12	0	0	9	0	0	9	0	0
	ALACHLOR (LASSO)	12	0	0	12	0	0	9	0	0	9	0	0
	METOLACHLOR	12	0	0	12	0	0	9	0	0	9	0	0
*TOTAL SCAN PESTICIDES & PC8	ES & PCB	408	0	2	408	0	10	309	0	5	288	0	9
PHENOL ICS	PHENOLICS	12	9	2	12	80	4	•	)   •         	1 + 1 + 1		1 1 1 1 1	1 • 1 • 1
*TOTAL SCAN PHENOLICS	(0	12	9	ŝ	12	80	4	0	0	0	0	0	0
SPECIFIC PESTICIDES	TOXAPHENE	12	0	0	12	0	0	11	0	0	10	0	0
	2,4,5-T	2	0	0	2	0	0	٠	*	•	•	•	•
	2,4-0	2	0	0	2	0	0	•	•	•		•	٠
	2,4-DB	2	0	0	2	0	0	•	•	•	•	•	•
	2,4 D PROPIONIC ACID	2	0	0	2	0	0	٠	٠	٠	•	٠	•
	DICAMBA	2	0	0	2	0	0	٠	•	٠		•	•
	PICHLORAM	0	0	0	0	0	0	٠	•	•	٠	٠	•
	SILVEX	2	0	0	2	0	0	٠	•	•	•	•	•
	DIAZINON	-	0	0	2	0	0		•	٠	٠	•	•
	D I CHLOROVOS	-	0	0	2	0	0		•	•	٠	•	٠
	CHLORPYR I FOS	-	0	0	2	0	0			•	•	•	•

# DRINKING WATER SURVEILLANCE PROGRAM EASTERLY

		SITE										
SCAN	PARAMETER	TOTAL	RAW TOTAL POSITIVE TRACE	TRACE	TREATED TOTAL POSIT	TREATED TOTAL POSITIVE TRACE		SITE 1 TOTAL POSITIVE TRACE	: TRACE	SITE 2 TOTAL POSITIVE TRACE	Z TIVE TR	ACE
SPECIFIC PESTICIDES	ETHION	-	0	0	2	0	0		•	• • • • • • • • • •	8 8 8 8 8	
	AZINPHOS-METHYL	0	0	0	0	0	0	•	•	٠	•	•
	MALATHION	-	0	0	2	0	0	•	•		•	•
	MEVINPHOS	1	0	0	2	0	0	•	•	•	٠	•
	METHYL PARATHION	1	0	0	2	0	0	•	•		•	•
	METHYLTRITHION	-	0	0	2	0	0	6	•	٠	•	•
	PARATHION	-	0	0	2	0	0	•	•	•	•	•
	PHORATE	-	0	0	2	0	0	•	•	•	•	•
	RELDAN	-	0	0	2	0	0	*	•			•
	RONNEL	L	0	0	2	0	0	•	•			•
	AMI NOCARB	0	0	0	0	0	0	•	•	٠	•	
	BENONYL		0	0	0	0	0	•	•	٠	•	•
	BUX	0	0	0	0	0	0	•	•			•
	CARBOFURAN	2	0	0	-	0	0	•	•	٠	•	•
	CICP	2	0	0	F	0	0	•	•	•	•	•
	DIALLATE	2	0	0	-	0	0	•	•		•	•
	EPTAM	2	0	0	-	0	0		•	•	٠	٠
	IPC	2	0	0	-	0	0	•	•		•	•
	PROPOXUR	2	0	0	-	0	0	•	•		•	•
	CARBARYL	2	0	0	-	0	0	•		•	•	•
	BUTYLATE	2	0	0	-	0	0	•	•		•	•
*TOTAL SCAN SPECIFIC PESTICIDES	PESTICIDES	53	0	0	56	0	0	11 0	0	10	0	0
				1			1 1 1				8 8 8 8 8 8	
VOLATILES	BENZENE	12	0	0	12	0	0	11 0	0 0	6	0	0

DRINKING WATER SURVEILLANCE PROGRAM EASTERLY

		SITE											
SCAN	PARAMETER	TOTAL	RAW TOTAL POSITIVE TRACE	TRACE	TREATED TOTAL POSITIVE TRACE	D TIVE 1	RACE	S TOTAL	SITE 1 TOTAL POSITIVE TRACE	TRACE	SITE 2 TOTAL POSITIVE TRACE	2 TIVE 1	RACE
VOLATILES	TOLUENE	12	0	2	12	0	\$	=	0	2	0	0	1
	ETHYLBENZENE	12	0	ŝ	12	0	5	11	0	4	0	0	-
	P-XYLENE	12	0	0	12	0	0	11	0	0	6	0	0
	M-XYLENE	12	0	1	12	0	2	11	0	0	6	0	0
	0-XYLENE	12	0	-	12	0	-	11	0	***	6	0	0
	STYRENE	12	-	9	12	-	6	11	0	80	6	0	9
	1,1 DICHLOROETHYLENE	12	0	0	12	0	0	11	0	0	6	0	0
	METHYLENE CHLORIDE	12	0	0	12	0	0	11	0	0	6	0	0
	T1, ZDICHLOROETHYLENE	12	0	0	12	0	0	11	0	0	6	0	0
	1,1 DICHLOROETHANE	12	0	0	12	0	0	11	0	0	6	0	0
	CHLOROFORM	12	-	4	12	12	0	11	11	0	6	0	0
	111, TRICHLOROETHANE	12	0	2	12	0	-	11	0	m	6	0	0
	1,2 DICHLOROETHANE	12	0	0	12	0	0	11	0	0	6	0	0
	CARBON TETRACHLORIDE	12	0	0	12	0	N	11	0	2	6	0	Ļ
	1,2 DICHLOROPROPANE	12	0	0	12	0	0	11	0	0	6	0	0
	<b>TRICHLOROETHYLENE</b>	12	0	0	12	0	0	11	0	0	6	0	0
	<b>DICHLOROBROMOMETHANE</b>	12	1	m	12	12	0	11	11	0	6	6	0
	112 TRICHLOROETHANE	12	0	0	12	0	0	11	0	0	6	0	0
	CHLOROD I BROMOMETHANE	12	-	0	12	12	0	11	11	0	6	0	0
	T-CHLOROETHYLENE	12	0	0	12	0	-	11	0		6	0	0
	BROMOFORM	12	0	-	12	0	12	11	0	11	6	0	6
	1122 T-CHLOROETHANE	12	0	0	12	0	0	11	0	0	6	0	0
	CHLOROBENZENE	12	0	0	12	0	0	11	0	0	6	0	0
	1,4 OICHLOROBENZENE	12	0	0	12	0	0	11	0	-	6	0	0
	1,3 01CHLOROBENZENE	12	0	0	12	0	0	11	0	0	6	0	0

# DRINKING WATER SURVEILLANCE PROGRAM EASTERLY

SUMMARY TABLE OF RESULTS (1989)

l

TRACE	0	0	0	18		735 183	
SITE 2 POSITIVE	0	0	6	36	36		
S TOTAL	6	6	6	261		806 223 1676	
TRACE	0	0	0		38	223	
SITE 1 POSITIVE	0	0	11	77			
TOTAL	11	11	1		262		
TRACE	0	0	0		53	471 182	
TREATED NL POSITIVE	0	0	12		57		
TI TOTAL	12	12	12		1195	1838	
TRACE	0	0	0	25	37	434 143	
SITE RAW TREATED SITE 1 SITE 2 TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE	ENZENE 12 0 0 12 0 0 11 0 0 9 0	0	1	5	11		
SITE TOTAL	12	12	12	348	1192	1803	
PARAMETER	1,2 DICHLOROB	ETHLYENE DIBROMIDE	TOTL TRIHALOMETHANES	VOLATILES	• ORGANIC	TOTAL	
SCAN	VOLATILES			*TOTAL SCAN VOLATILES	*TOTAL GROUP ORGANIC	TOTAL	

## KEY TO TABLE 5 and 6

- ONTARIO DRINKING WATER OBJECTIVES (ODWO)
  - 1. Maximum Acceptable Concentration (MAC)
  - 1+. MAC for Total Trihalomethanes
  - 1\*. MAC for Bacteriological Analyses
  - Poor water quality is indicated when : - total coliform counts > 0 < 5
    - P/A Bottle Test is present after 48 hours
    - Aeromonas organisms are detected in more than 25% of samples in a single submission or in successive submissions from the same sampling site
    - Pseudomonas Aeruginosa, Staphylococcus Aureus and members of the Fecal Streptococcus group should not be detected in any sample
    - Standard Plate Count should not exceed 500 organisms per ml at 35 °C within 48 hours
  - 2. Interim Maximum Acceptable Concentration (IMAC)
  - 3. Maximum Desirable Concentration (MDC)
  - 4. Aesthetic or Recommended Operational Guideline
    - hardness levels between 80 and 100 mg/L as calcium carbonate are considered to provide an acceptable balance between corrosion and incrustation, water supplies with a hardness >200 mg/L are considered poor and those in excess of 500 mg/L are unacceptable.
- B HEALTH & WELFARE CANADA (H&W)
  - 1. Maximum Acceptable Concentration (MAC)
  - 2. Proposed MAC
  - 3. Interim MAC

Α

- 4. Aesthetic Objective (AO) (for xylenes, a total)
- C WORLD HEALTH ORGANIZATION (WHO)
  - 1. Guideline Value (GV)
  - 2. Tentative GV
  - 3. Aesthetic GV
- D US ENVIRONMENTAL PROTECTION AGENCY (EPA)
  - 1. Maximum Contaminant Level (MCL)
  - 2. Suggested No-Adverse Effect Level (SNAEL)
  - 3. Lifetime Health Advisory
  - 4. EPA Ambient Water Quality Criteria
  - 5. Maximum Contaminant Level Goal (MCLG)
- F EUROPEAN ECONOMIC COMMUNITY (EEC)
  - 1. Health Related Guideline Level
  - 2. Aesthetic Guideline Level
  - 3. Maximum Admissable Concentration (MADC)
- G CALIFORNIA STATE DEPARTMENT OF HEALTH-GUIDELINE VALUE
- H USSR MAXIMUM PERMISSIBLE CONCENTRATION
- I NEW YORK STATE AMBIENT WATER GUIDELINE
- N/A NONE AVAILABLE

The interpretation of analytical results that are obtained from measurements near the limit of detection of the measurement process is subject to greater uncertainty than those at higher concentrations. The principle areas of concern relate to whether the substance has actually been detected, whether it has been properly identified, and whether it is an artifact of the measurement process. In other words, false positives can be caused by the instrumentation or the test procedures used, when in fact these compounds are not present in the sample.

There are several methods to treat data from such measurements: 1. Exclude the low-level data because of this uncertainty factor. However, studies of long-term environmental trends and modelling may be adversely affected by exclusion of such data. 2. Qualify these data so the user is aware of the greater uncertainty associated with their use.

For the Drinking Water Surveillance Program, measurements near the limit of detection of the measurement process are reported qualified by the code "<T". Results quantified by "W" indicate a zero measurement. These results are reported for purposes of modelling and long-term trend analysis and no significance should be attributed to a single determination of a substance below "T" (a single determination may well be a false positive). Repeat analysis or additional data are needed before it can be stated with certainty that the substance in question was truly present. On the other hand, it is less likely that repeated detection of a substance at or near the limit of detection at a specific location is solely due to an artifact in the measurement system, and more likely represents a true positive. However the average of such data is still only an estimate of the amount of substance present subject to the possible biases of the method used.

### LABORATORY RESULTS, REMARK DESCRIPTIONS

•	No Sample Taken
BDL	Below Minimum Measurable Amount
<t< td=""><td>Greater Than Detection Limit But Not Confident (SEE INTERPRETATION OF RESULTS ABOVE)</td></t<>	Greater Than Detection Limit But Not Confident (SEE INTERPRETATION OF RESULTS ABOVE)
>	Results Are Greater Than The Upper Limit
<=>	Approximate Result
!AW	No Data: Analysis Withdrawn
!CR	No Data: Could Not Confirm By Reanalysis
!cs	No Data: Contamination Suspected
!IL	No Data: Sample Incorrectly Labelled
!IP	No Data: Insufficient Preservative
!IS	No Data: Insufficient Sample

! LA	No Data: Laboratory Accident
!LD	No Data: Test Queued After Sample Discarded
! NA	No Data: No Authorization To Perform Reanalysis
!NP	No Data: No Procedure
!NR	No Data: Sample Not Received
! OP	No Data: Obscured Plate
!QU	No Data: Quality Control Unacceptable
!PE	No Data: Procedural Error - Sample Discarded
!PH	No Data: Sample pH Outside Valid Range
!RE	No Data: Received Empty
!RO	No Data: See Attached Report (no numeric results)
!SM	No Data: Sample Missing
!SS	No Data: Send Separate Sample Properly Preserved
!UI	No Data: Indeterminant Interference
!TX	No Data: Time Expired
A3C	Approximate, Total Count Exceeded 300 Colonies
APL	Additional Peak, Large, Not Priority Pollutant
APS	Additional Peak, Less Than, Not Priority Pollutant
CIC	Possible Contamination, Improper Cap
CRO	Calculated Result Only
PPS	Test Performed On Preserved Sample
RMP	P and M-Xylene Not Separated
RRV	Rerun Verification
RVU	Reported Value Unusual
SPS	Several Peaks, Small, Not Priority Pollutant
UCR	Unreliable: Could Not Confirm By Reanalysis
UCS	Unreliable: Contamination Suspected
UIN	Unreliable: Indeterminant Interference
XP	Positive After X Number of Hours
T# (T06)	Result Taken After # Hours

T# (T06) Result Taken After # Hours

TABLE	5	

## DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP) 1989

## WATER TREATMENT PLANT

	RAW	TREATED	SITE 1			
			STANDING	FREE FLOW	STANDING	FREE FLOW
	BACTERIC	DOGICAL				
FECAL COLIF	ORM MF (CT/100)	IL )	DET'N L	IMIT = O	GUIDELINE =	= O (A1)
JAN	1 T24				•	•
FEB	0 T48		•			•
MAR	0 T48		•		٠	
APR	1LA				•	•
MAY	0		•	•	•	•
JUN	BDL	•		•	•	٠
JUL	1	•		•	•	٠
AUG	2		•	•	•	٠
SEP	0		•	•	•	٠
OCT	0	•	•	•	•	•
NOV	8		•	•	•	•
DEC	4	•	•	•		•
STANDRD PLA	TE CNT MF (	)	DET'N L	IMIT =	GUIDELINE =	:
JAN		0 <=>		0 <=:	> .	0 <=>
FEB		0 <=>		0 <=:	<b>&gt;</b> .	0 <=>
MAR		0 <=>			•	0 <=>
APR		1 <=>		1 <=:	> .	•
MAY	•	1 <=>		3 <=:	> .	1 <=>
JUN	•	0 <=>		1		0 <=>
JUL		1 <=>	• •	3 <=:	> .	2 <=>
AUG		1 <=>		640		
SEP		2 <=>		7 <=:	> .	38
OCT		1 <=>	· .	7 <=:	> .	0 <=>
NOV		15	•	23	•	9 <=>
DEC	•	11		17	•	7 <=>
TOTAL COLIF	ORM MF (CT/100	1L )	DET'N L	IMIT = O	GUIDELINE :	= 5/100ML(A1)
JAN	28 T24	0 124		0 10	6 -	0 T06
FEB	4 T48	0 T48		0 12		0 T24
MAR	77 A3C	0 T48				0 T24
APR	2 A3C	0 T48	3 .	0 12	4 -	٠
MAY	6 A3C	0		0	•	0
JUN	5 A3C	0		0		0
JUL	52 A3C	0		0		1
AUG	55 A3C	0		0		
SEP	102 A3C	0		0		0
OCT	60	0		0	•	0
NOV	52	0		0	٠	0
DEC	20 <=>	0	•	0	•	0
T COLIFORM	BCKGRD MF (CT/	100ML )	DET'N L	IMIT = 0	GUIDELINE :	= N/A
JAN	104 T24	0 124		0 то	6	0 TO6
		0 164		0 10	- •	
FEB	6 T48	0 T48	3	0 T2	4	0 724

## DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP) 1989

## WATER TREATMENT PLANT

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
APR	760 A3C	0 148		0 124		
MAY	500 A3C	0		0		0
JUN	590 A3C	0		0		0
JUL	1080	0		0		0
AUG	2400 >	0		0		•
SEP	4800 >	0		0		0
OCT	1000	0		0		0
NOV	336	0		0		0
DEC	20 <=>	0	•	0		0

## DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP) 1989

## WATER TREATMENT PLANT

	RAW	TREATED	SITÊ 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	CHEMIST	RY (FLD)				
FLD CHLORI	NE (COMB) (	)	DET'N LI	IMIT =	GUIDELINE =	
JAN		.680	.400	.800	.800	.850
FEB		.750	.200	.800	.700	.800
MAR		.750	•		.600	.750
APR	•	.550	.200	.750	•	٠
MAY		.700	.200	.550	.600	.650
JUN		.700	.200	.600	.400	.600
JUL		.550	.100	.450	.600	.700
AUG	•	.700	. 100	.400		
SEP		.350	.100	.400	•	
OCT		.350	.300	.500	.400	.550
NOV		.350	.200	.550	.500	.600
DEC		.700	.200	.600	.450	.600
FLD CHLORI	NE FREE (	)	DET'N LI	IMIT =	GUIDELINE =	
JAN		.070	•			٠
APR		.100	•	•	•	•
MAY	٠		•	.050	•	•
JUN			.000	.000	.000	.000
JUL	•	.050	.000	.000	.000	.000
AUG	•	.000	.000	.000	•	•
SEP		.350	.000	.000	.000	.000
OCT	•	.350	.000	.000	.000	.000
NOV	•	.400	.000	.000	.000	.000
DEC	•	•	.000	.000	.000	.000
FLD CHLORI	NE (TOTAL) (	)	DET'N L	IMIT =	GUIDELINE =	
JAN		.750	.400	.800	.800	.850
FEB		.750	.200	.800	.700	.800
MAR		.750		•	.600	.750
APR		.650	.200	.750	•	
MAY		.700	.200	.600	.600	.650
ЛЛГ		.700	.200	.600	.400	.600
JUL	•	.600	.100	.450	.600	.700
AUG		.700	.100	.400	•	
SEP		.700	.100	.400	•	٠
OCT		.700	.300	.500	.400	.550
NOV		.750	.200	.550	.500	.600
DEC		.700	.200	.600	.450	.600
FLD PH (DM	NSLESS )		DET'N L	IMIT = N/A	GUIDELINE =	6.5-8.5(A4)
JAN	8.000	7.490	7.600	7.600	7.610	7.610
FEB	8.060	7.400	7.430	7.410	7.400	7.410
MAR	8.130	7.510		•	7.570	7.550
APR	8.230	7.570	7.700	7.620		•
MAY	8.250	7.550	7.750	7.710	7.720	7.640

## DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP) 1989

## WATER TREATMENT PLANT

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
JUN	8.110	7.670	7.580	7.640	7.670	7.730
JUL	8,200	7.550	7.720	7.670	7.630	7.550
AUG	8.130	7.440	7.670	7.630		
SEP	8.370	7.600	7.550	7.600	7,560	7.540
OCT	8.220	7.580	7.670	7.670	7.660	7.670
NOV	8.130	7,460	7.790	7.740	7.940	7.780
DEC	8.020	7.300	7.800	7.730	7.880	7.780
LD TEMPER	RATURE (DEG.C	>	DET'N LI	MIT = N/A	GUIDELINE =	15 (A1)
JAN	3.000	3.000	19.000	6.000	11.000	6.000
FEB	2.800	3.000	20.000	6.000	10.000	6.000
MAR	1,900	2.000			10.000	4.000
APR	4.000	4.000	19.000	7.000		
MAY	6.000	6.000	19.000	9.000	11.000	7.500
JUN	6.000	6.000	20.000	13.000	15.500	11.000
JUL	7.000	7.500	21.000	12.000	13.000	12.000
AUG	17.000	17.000	22.000	19.000		
SEP	19.000	19.000	22.000	19.000	18.000	16.000
OCT	12.000	13.000	18.000	13.000	16.000	12.000
NOV	5.500	6.000	21.000	11.000	14.500	10.000
DEC	2.500	3.000	19.000	7.000	12.000	7.000
LD TURBI	DITY (FTU	)	DET'N LI	HIT = N/A	GUIDELINE =	1.0 (A1)
JAN	.870	.160	.160	.170	.200	.310
FEB	.530	. 260	.180	.210	.220	.210
MAR	.580	. 180			.030	.350
APR	.370	.230	.180	. 160		
MAY	.950	. 170	. 150	.150	.340	.200
JUN	.600	.650	.150	. 130	. 180	.190
JUL	.300	. 170	.300	.300	.370	.330
AUG	.800	.170	.230	.300	•	
SEP	.790	.230	.220	.220	.280	.240
OCT	.780	.260	.300	.240	.300	.280
NOV	.870	.180	.200	.230	.380	.260
DEC	1.200	.120	.100	.140	.230	.240

## DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP) 1989

### WATER TREATMENT PLANT

,

	RAW	TREATED	SITE 1		SITE 2	
					CTANDANC	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	СН	EMISTRY (LAB)				
ALKALIN	ITY (MG/L	)	DET'N L	IMIT = .200	GUIDELINE =	= 30-500 (A4)
JAN	101.800	95.900	98.000	99.800	101.100	97.100
FEB	100.700	92.500	94.600	94.200	93.000	93.200
MAR	102.000	96.600		•	97.700	99.800
APR	99.300	90.900	91.800	91.900	•	•
MAY	99.700	97.000	95.500	95.400	95.200	95.300
JUN	100.100	94.700	95.700	95.000	95.300	94.700
JUL	102.600	95.000	95.600	95.400	94.500	94.400
AUG	99.700	93.200	92.300	92.200		•
SEP	96.DD0	88.500	88.700	89.000	88.500	88.600
OCT	99.400	94.300	95.600	95.500	94.800	95.400
NON	101.900	97.200	97.800	97.400	97.000	97.300
DEC	101.900	97.400	97.600	97.200	96.800	96.700
CALCIUM	(MG/L )		DET'N L	.IMIT = .100	GUIDELINE :	= 100 (F2)
JAN	40.600	40,400	41.400	41.600	39.600	39.600
FEB	39.600	40.000	40,200	40.800	40.200	40.600
MAR	42.400	41.600			41.800	42.200
APR	37.800	39.600	39.200	39.000		
MAY	39.800	40.000	40.000	40.600	39.600	40.200
JUN	40.200	40,200	40.400	40.400	39.600	40.000
JUL	41.200	39.400	39.000	39.200	39.600	39.000
AUG	40.600	39.400	39.600	40.600	•	•
SEP	35.800	37.000	38.400	37.800	36.600	37.000
OCT	39.400	39.200	40.800	39.800	39.600	39.200
NOV	39.800	40.400	40.000	40.6DD	39.400	39.800
DEC	40.800	40.300	40.600	39.700	40.400	39.700
CHLORID	E (MG/L )		DET'N L	.1MIT = .200	GUIDELINE	= 250 (A3)
JAN	24.000	25.700	25.800	25.900		26.100
FEB	22.900	25.600	26.100	26.200	26.000	25.500
MAR	22.900	24.900	•	•	24.400	24.700
APR	22.700	25.800	25.800	25.900	•	•
MAY	23.200	24.600	24.900	24.800	24.700	24.600
JUN	22.600	24.000	24.500	24.100	24.100	24.200
JUL	22.400	25.000	25.200	25.300	25.400	25.300
AUG	22.500	25.100	25.300	25.300	•	•
SEP	21.900	24.800	25.200	25.000	24.900	24.900
OCT	22.200	23.700	24.300	24.100	23.800	23.900
NOV	22.500	24.000	24.200	24.200	24.200	24.000
DEC	22.700	24.40D	24.30D	24.300	24.200	24.200
COLOUR	(HZU )		DET'N I	.IMIT = .5	GUIDELINE	= 5.0 (A3)
JAN	1.500	<t .500="" <<="" td=""><td>T 1.000</td><td><t 1.000<="" td=""><td><t 1.000<="" td=""><td><t 1.000="" <t<="" td=""></t></td></t></td></t></td></t>	T 1.000	<t 1.000<="" td=""><td><t 1.000<="" td=""><td><t 1.000="" <t<="" td=""></t></td></t></td></t>	<t 1.000<="" td=""><td><t 1.000="" <t<="" td=""></t></td></t>	<t 1.000="" <t<="" td=""></t>
FEB	2.000					
MAR	2.000			•	2.000	

## DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTD (EASTERLY WTP) 1989

## WATER TREATMENT PLANT

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
APR	1.500 <t< td=""><td>.500 <t< td=""><td>.500 <t< td=""><td>.500 <t< td=""><td></td><td></td></t<></td></t<></td></t<></td></t<>	.500 <t< td=""><td>.500 <t< td=""><td>.500 <t< td=""><td></td><td></td></t<></td></t<></td></t<>	.500 <t< td=""><td>.500 <t< td=""><td></td><td></td></t<></td></t<>	.500 <t< td=""><td></td><td></td></t<>		
MAY	2.000 <t< td=""><td>1.000 <t< td=""><td>1.500 <t< td=""><td></td><td>2.000 <t< td=""><td>1.500 &lt;</td></t<></td></t<></td></t<></td></t<>	1.000 <t< td=""><td>1.500 <t< td=""><td></td><td>2.000 <t< td=""><td>1.500 &lt;</td></t<></td></t<></td></t<>	1.500 <t< td=""><td></td><td>2.000 <t< td=""><td>1.500 &lt;</td></t<></td></t<>		2.000 <t< td=""><td>1.500 &lt;</td></t<>	1.500 <
					1.500 <t< td=""><td></td></t<>	
JUN	2.000 <t< td=""><td>1.000 <t< td=""><td>1.000 <t< td=""><td></td><td></td><td></td></t<></td></t<></td></t<>	1.000 <t< td=""><td>1.000 <t< td=""><td></td><td></td><td></td></t<></td></t<>	1.000 <t< td=""><td></td><td></td><td></td></t<>			
JUL	2.500	1.000 <t< td=""><td>1.000 <t< td=""><td></td><td>1.000 <t< td=""><td></td></t<></td></t<></td></t<>	1.000 <t< td=""><td></td><td>1.000 <t< td=""><td></td></t<></td></t<>		1.000 <t< td=""><td></td></t<>	
AUG	1.500 <t< td=""><td>.500 <t< td=""><td>1.000 <t< td=""><td></td><td>4 000 -7</td><td>1 000 -</td></t<></td></t<></td></t<>	.500 <t< td=""><td>1.000 <t< td=""><td></td><td>4 000 -7</td><td>1 000 -</td></t<></td></t<>	1.000 <t< td=""><td></td><td>4 000 -7</td><td>1 000 -</td></t<>		4 000 -7	1 000 -
SEP	2.000 <t< td=""><td>.500 <t< td=""><td>1.000 <t< td=""><td></td><td>1.000 <t< td=""><td></td></t<></td></t<></td></t<></td></t<>	.500 <t< td=""><td>1.000 <t< td=""><td></td><td>1.000 <t< td=""><td></td></t<></td></t<></td></t<>	1.000 <t< td=""><td></td><td>1.000 <t< td=""><td></td></t<></td></t<>		1.000 <t< td=""><td></td></t<>	
OCT	2.000 <t< td=""><td>1.000 <t< td=""><td>1.000 &lt;1</td><td></td><td>1.500 <t< td=""><td></td></t<></td></t<></td></t<>	1.000 <t< td=""><td>1.000 &lt;1</td><td></td><td>1.500 <t< td=""><td></td></t<></td></t<>	1.000 <1		1.500 <t< td=""><td></td></t<>	
NOV	2.000 <t< td=""><td>1.000 <t< td=""><td>1.000 <t< td=""><td></td><td></td><td></td></t<></td></t<></td></t<>	1.000 <t< td=""><td>1.000 <t< td=""><td></td><td></td><td></td></t<></td></t<>	1.000 <t< td=""><td></td><td></td><td></td></t<>			
DEC	1.500 <t< td=""><td>.500 <t< td=""><td>1.000 <t< td=""><td>1.000 <t< td=""><td>1.500 <t< td=""><td>2.000 &lt;</td></t<></td></t<></td></t<></td></t<></td></t<>	.500 <t< td=""><td>1.000 <t< td=""><td>1.000 <t< td=""><td>1.500 <t< td=""><td>2.000 &lt;</td></t<></td></t<></td></t<></td></t<>	1.000 <t< td=""><td>1.000 <t< td=""><td>1.500 <t< td=""><td>2.000 &lt;</td></t<></td></t<></td></t<>	1.000 <t< td=""><td>1.500 <t< td=""><td>2.000 &lt;</td></t<></td></t<>	1.500 <t< td=""><td>2.000 &lt;</td></t<>	2.000 <
DNDUCTIV	ITY (UHHO/CM )		DET'N LI	MIT = 1	GUIDELINE =	400 (F2)
JAN	329	333	335	334	334	334
FEB	324	331	335	334	331	331
MAR	337	341			341	341
APR	328	335	337	335		٠
MAY	323	327	327	328	326	328
JUN	323	326	333	327	326	326
JUL	324	328	330	330	328	330
AUG	316	320	323	321		
SEP	311	317	319	319	318	318
OCT	322	325	331	328	327	329
NOV	326	329	331	331	331	331
DEC	332	333	335	334	333	333
UORIDE	(MG/L )		DET'N LT	 MIT = .01	GUIDELINE = 1	2.400 (A1)
JAN	.140	1.260	1.200	1.220	1.300	1.260
FEB	.120	1.460	1.240	1.220	1.240	1.260
MAR	. 120	1.160		•	1.180	1.200
APR	. 120	1.220	1.240	1.240	•	
MAY	. 160	1.180	1.220	1.200	1.200	1.200
JUN	. 120	1.200	1.300	1.160	1.160	1.180
JUL	.140	1.280	1.240	1.200	1.180	1.180
AUG	. 140	1.160	1.200	1.200		
SEP	.120	1.200	1.220	1.220	1.220	1.220
OCT	.120	1.260	1.280	1.280	1.280	1.260
NOV	.140	1.120	1.160	1.160	1.180	1.160
DEC	. 140	1.360	1.280	1.300	1.280	1.200
ARDNESS	(MG/L )		DET'N LI	MIT = .500	GUIDELINE =	80-100 (A4)
1.4.1	475 000					
JAN	135.000	135.000	137.000	139.000	134.000	133.000
FEB	134.000	135.000	135.000	137.000	135.000	136.000
HAR	142.000	140.000	•		141.000	142.000
APR	131.000	134.000	134.000	134.000	•	•
MAY	133.000	134.000	135.000	136.000	133.000	135.000
JUN	135.000	136.000	137.000	135.000	134.000	135.000
JUL	137.000	134.000	132.000	132.000	134.000	133.000

## DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP) 1989

### WATER TREATMENT PLANT

#### DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
SEP	123.000	126.000	130.000	128.000	126.000	126.000
OCT	133.000	133.000	137.000	133.000	135.000	133.000
NOV	135.000	136.000	134.000	137.000	134.000	135.000
OEC	136.300	135.000	135.000	132.900	134.800	132.900
DNCAL (D	MNSLESS )		DET'N LI	IMIT = N/A	GUIDELINE =	N/A
JAN	.805	.796	1.224	1.305	2.722	.432
FEB	2.614	. 182	1.091	. 125	.235	.709
MAR	3.139	3.567		•	4.195	3.230
APR	1.427	1.786	1.556	1.393	•	•
MAY	1.107	.307	1.388	1.846	.272	1.481
JUN	.452	2.031	.682	1.193	.391	.914
JUL	.810	.567	1.376	1.476	. 284	.723
AUG	1.242	_ 444	. 828	2.022	•	
SEP	2.152	.735	2.079	1.086	.168	.081
OCT	1.093	2.029	3.283	1.229	2.029	1.474
NOV	.724	1.181	2.428	1.300	2.193	1.548
DEC	1.442	1.335	1.066	2.607	.326	1.939
ANGELIEF	S INDEX (DMNSLE	SS )	DET'N L	IMIT = N/A	GUIDELINE =	N/A
JAN	.382	. 154	.163	036	342	.100
FEB	.397	.044	. 125	.120	.148	.104
MAR	.551	.539		•	.586	.559
APR	.380	.162	.201	.200	•	
MAY	.545	.495	.478	.504	.542	.459
JUN	.241	.147	.273	. 150	. 193	.175
JUL	.502	.359	.387	.429	. 469	.332
AUG	.434	.312	.339	.350	•	•
SEP	.424	.212	.259	.254	.217	.213
OCT	.519	.374	.397	.426	.411	.409
NON	.424	.420	.368	.483	.368	.404
DEC	.594	.539	.543	.542	.588	.550
AGNESIUN	1 (MG/L )		DET'N L	IMIT = .050	GUIDELINE =	30 (F2)
JAN	8.200	8.200	8.200	8.400	8.500	8.400
FEB	8.500	8.500	8.500	8.500	8.500	8.300
MAR	8,700	8.800	•	•	8.800	9.000
APR	9.000	8.600	8.800	8.800	•	•
MAY	8.200	8.300	8.500	8.400	8.300	8.400
JUN	8.500	8.500	8.700	8.400	8.600	8.400
JUL	8.300	8.600	8.400	8.300	8.600	8.500
AUG	8.500	8.200	8.400	8.300	•	•
SEP	8.200	8,200	8.300	8.200	8.200	8.200
OCT	8.600	8.500	8.400	8.200	8.700	8.700
NOV	8.600	8.400	8.400	8.500	8.700	8.600
DEC	8.350	8.350	8.200	8.200	8.200	8.200

## DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP) 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
SODIUM (MG			DET 1 N 1 1	IMIT = .200	CHILDELINE =	200 (03)
SOUTOH (MC	5/L )			.200	GOIDELINE -	200 (057
JAN	12.800	12.800	13.000	13.200	13.000	13.000
FEB	11.200	11.600	11.600	11.800	11.800	11.800
MAR	12.200	12.200			12.400	12.600
APR	12,000	12.000	12.200	12.400	•	•
MAY	12.000	12.200	12.200	12.200	12.000	12.000
JUN	11.400	11.800	12.200	11.400	11.600	11.600
JUL	12.000	12.000	12.000	11.800	11.800	11.800
AUG	11.400	11.400	11.600	11.400	•	
SEP	12.400	12.400	12.400	12.400	12.400	11.800
OCT	12.400	12.200	12.600	12.400	12.200	12.200
NOV	12.200	12.000	12.200	11.800	12.000	12.000
DEC	11.700	11.600	11.800	11.500	11.900	11.800
AMMONIUM T	OTAL (MG/L	)	DET'N LI	IMIT = 0.002	GUIDELINE =	.05 (F2)
	00/	100		47/	424	128
JAN	.006 <t< td=""><td>.122</td><td>128</td><td>.136</td><td>.124</td><td>.128</td></t<>	.122	128	.136	.124	.128
FEB	.018	.178	.174	.160	.172	.170
MAR	BDL	.138			.150	.152
APR	.016	. 148	.158	. 138		
MAY	BDL	.122	.110	.112	.122	.120
JUN	.010	. 106	.080	.096	.106	.114
JUL	.022	.112	.084	.108	.110	.118
AUG	.014	.110	.084	.112		
SEP	.012	.112	.060	.104	.088	.100
OCT	BDL	.100	.110	.112	. 102	.104
NOV	BDL BDL	.106	.030	.096 .098	.080	.086 .092
NITRITE (M	IG/L )		DET'N LI	IMIT = 0.001	GUIDELINE =	1.000 (A1)
JAN	.002 <t< td=""><td>.001 <t< td=""><td>.003 &lt;1</td><td>r .001 <t< td=""><td>.002 &lt;1</td><td>.001 <t< td=""></t<></td></t<></td></t<></td></t<>	.001 <t< td=""><td>.003 &lt;1</td><td>r .001 <t< td=""><td>.002 &lt;1</td><td>.001 <t< td=""></t<></td></t<></td></t<>	.003 <1	r .001 <t< td=""><td>.002 &lt;1</td><td>.001 <t< td=""></t<></td></t<>	.002 <1	.001 <t< td=""></t<>
FEB	.002 <t< td=""><td>.002 <t< td=""><td>.008</td><td>.004 <t< td=""><td>.004 &lt;1</td><td>.003 <t< td=""></t<></td></t<></td></t<></td></t<>	.002 <t< td=""><td>.008</td><td>.004 <t< td=""><td>.004 &lt;1</td><td>.003 <t< td=""></t<></td></t<></td></t<>	.008	.004 <t< td=""><td>.004 &lt;1</td><td>.003 <t< td=""></t<></td></t<>	.004 <1	.003 <t< td=""></t<>
MAR	.004 <t< td=""><td>.004 <t< td=""><td>•</td><td></td><td>.008</td><td>.005</td></t<></td></t<>	.004 <t< td=""><td>•</td><td></td><td>.008</td><td>.005</td></t<>	•		.008	.005
APR	.002 <t< td=""><td>.001 <t< td=""><td>.005</td><td>.001 <t< td=""><td></td><td>٠</td></t<></td></t<></td></t<>	.001 <t< td=""><td>.005</td><td>.001 <t< td=""><td></td><td>٠</td></t<></td></t<>	.005	.001 <t< td=""><td></td><td>٠</td></t<>		٠
MAY	.003 <t< td=""><td>.002 <t< td=""><td>.006</td><td>.002 <t< td=""><td>.006</td><td>.003 <t< td=""></t<></td></t<></td></t<></td></t<>	.002 <t< td=""><td>.006</td><td>.002 <t< td=""><td>.006</td><td>.003 <t< td=""></t<></td></t<></td></t<>	.006	.002 <t< td=""><td>.006</td><td>.003 <t< td=""></t<></td></t<>	.006	.003 <t< td=""></t<>
JUN	.007	.004 <t< td=""><td>.028</td><td>.006</td><td>.014</td><td>.007</td></t<>	.028	.006	.014	.007
JUL	.008	.002 <t< td=""><td>.036</td><td>.004 <t< td=""><td>.007</td><td>.004 <t< td=""></t<></td></t<></td></t<>	.036	.004 <t< td=""><td>.007</td><td>.004 <t< td=""></t<></td></t<>	.007	.004 <t< td=""></t<>
AUG	.003 <t< td=""><td>.001 <t< td=""><td>.033</td><td>.003 <t< td=""><td></td><td></td></t<></td></t<></td></t<>	.001 <t< td=""><td>.033</td><td>.003 <t< td=""><td></td><td></td></t<></td></t<>	.033	.003 <t< td=""><td></td><td></td></t<>		
SEP	.005	.001 <t< td=""><td>.064</td><td>.002 <t< td=""><td>.022</td><td>.007</td></t<></td></t<>	.064	.002 <t< td=""><td>.022</td><td>.007</td></t<>	.022	.007
OCT	.002 <t< td=""><td>.001 <t< td=""><td>.006</td><td>.003 <t< td=""><td>.014</td><td>.008</td></t<></td></t<></td></t<>	.001 <t< td=""><td>.006</td><td>.003 <t< td=""><td>.014</td><td>.008</td></t<></td></t<>	.006	.003 <t< td=""><td>.014</td><td>.008</td></t<>	.014	.008
NOV	.001 <t< td=""><td>.002 <t< td=""><td>.066</td><td>.003 <t< td=""><td>.014</td><td>.004 <t< td=""></t<></td></t<></td></t<></td></t<>	.002 <t< td=""><td>.066</td><td>.003 <t< td=""><td>.014</td><td>.004 <t< td=""></t<></td></t<></td></t<>	.066	.003 <t< td=""><td>.014</td><td>.004 <t< td=""></t<></td></t<>	.014	.004 <t< td=""></t<>
DEC	.002 <t< td=""><td>.002 <t< td=""><td>.016</td><td>.002 <t< td=""><td>.010</td><td>.003 &lt;1</td></t<></td></t<></td></t<>	.002 <t< td=""><td>.016</td><td>.002 <t< td=""><td>.010</td><td>.003 &lt;1</td></t<></td></t<>	.016	.002 <t< td=""><td>.010</td><td>.003 &lt;1</td></t<>	.010	.003 <1
TOTAL NITE	ATES (MG/L	)	DET'N LI	IMIT = .020	GUIDELINE =	10.000 (A1)
JAN	.400	.395	.405	.400	.415	-410
FEB	.380	.405	.415	.410	.405	.400
MAR	.385	.390	•		.395	.390
APR	.335	.335	.345	.320	•	•

#### W,

### DISTRIBUTION SYSTEM

ATER TREATMENT PLANT	
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	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
MAY	.325	.325	.340	.325	.330	.325
JUN	.400	.435	.480	.440	.455	.430
JUL	.355	.350	.400	.375	.385	.370
AUG	.195	.200	.215	. 195	•	•
SEP	. 155	.160	.220	.165	. 190	.175
OCT	.245	.265	.305	.285	.285	.280
NOV	.350	.430	.465	.400	.425	.415
DEC	.400	.405	.425	.400	.420	.410
NITROGEN 1	TOT KJELD (MG/L	)	DET'N LI	MIT = .020	GUIDELINE =	N/A
						200
JAN	.230	.320	.330	.300	.300	.290
FEB	.200	.300	.340	.310	.310	.310
MAR	.240	.310	•	•	.330	.300
APR	.250	.270	.280	.270		
MAY	.250	.290	.300	.310	.300	.320
JUN	.250	.260	.270	.260	.290	.290
JUL	.270	.320	.330	.320	.340	.320
AUG	.280	.300	.300	.320		
SEP	.240	.300	.260	.300	.300	.300
OCT	.240	.260	.310	.280	.290	.270
NOV	.190	.290	.280	.250	. 280	.260
DEC	.220	.310	.340	.270	.270	.300
PH (DMNSLE			DET'N LI	IMIT = N/A	GUIDELINE =	6.5-8.5(#4)
JAN	8.210	8.010	8.000	7.790	7.500	7.960
FEB	8.240	7.920	7.990	7.980	8.020	7.970
MAR	8.360	8,380	•	•	8.420	8.380
APR	8.250	8.050	8.090	8.090		
MAY	8.390	8.350	8.340	8.360	8.410	8.320
JUN	8.080	8.010	8.130	8.010	8.060	8.040
JUL	8.320	8.230	8.260	8.300	8,340	8.210 •
AUG	8.270	8.190	8.220	8.220		
SEP	8.330	8.140	8.170	8.170	8.150	8.140
OCT	8.370	8.250	8.250	8.290	8.280	8.280
NOV	8.260	8.270	8.220	8.330	8.230	8.260
DEC	8.420	8.390	8.390	8.400	8.440	8.410
PHOSPHORUS	S FIL REACT (MG/	·····	DET'N L	IMIT = .0005	GUIDELINE =	N/A
JAN	.001 <t< td=""><td>.003</td><td>•</td><td>٠</td><td>•</td><td>•</td></t<>	.003	•	٠	•	•
FEB	BDL	.002 <t< td=""><td></td><td>•</td><td></td><td>•</td></t<>		•		•
MAR	.000 <t< td=""><td>.001 <t< td=""><td>•</td><td>•</td><td></td><td>•</td></t<></td></t<>	.001 <t< td=""><td>•</td><td>•</td><td></td><td>•</td></t<>	•	•		•
APR	BDL	BDL		0		•
MAY	.000 <t< td=""><td>.001 <t< td=""><td></td><td>۰</td><td></td><td>•</td></t<></td></t<>	.001 <t< td=""><td></td><td>۰</td><td></td><td>•</td></t<>		۰		•
JUN	.000 <t< td=""><td>.002</td><td></td><td></td><td></td><td>•</td></t<>	.002				•
JUL	BDL	.000 <t< td=""><td>0</td><td>•</td><td></td><td>•</td></t<>	0	•		•
AUG	BDL	.001 <t< td=""><td>•</td><td></td><td>•</td><td>•</td></t<>	•		•	•
SEP	BDL	.001 <t< td=""><td>•</td><td>٠</td><td>٠</td><td>•</td></t<>	•	٠	٠	•

#### DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP) 1989

#### WATER TREATMENT PLANT

#### DISTRIBUTION SYSTEM

BOL

.002 <T

.007 <T

.003 <T

.004 <T

.003 <T

.004 <T

.013

.007 <T

.007 <T

.007 <T

.006 <T

.006 <T

.006 <T

. . . . . . . . .

26.900

29.140

27.020

28.370

26.460

26,930

26.680

27.490

27.150

26.720

29.930

28.210

. . . . . . . . .

.480

.370

.520

.840

.370

.850

.990

.490

.350

.260

.200 <T

.190 <T

-----

.002

TREATED RAW

)

BOL

.012

.010

.018

.012

.013

.011

.010

.013

.011

26.070

26.880

26.230

26.160

26.210

26.370

25.300

25,940

24.820

26.230

26.420

27.420

1.880

1.150

.850

1.230

1.330

1.370

1.130

1.840

1.460

1.050

2.600

1.740

-----

TURBIDITY (FTU )

SULPHATE (MG/L )

.006 <T

.008 <T

.008 <T

PHOSPHORUS TOTAL (MG/L

.000 <T

.001 <T

100

NOV

DEC

JAN

FEB

MAR

APR

MAY

JUN JUL

AUG

SEP

130

NOV

DEC

JAN

FEB

MAR

APR

MAY

JUN

JUL

AUG

SEP

OCT

NOV

DEC

JAN

FEB MAR

APR

MAY

JUN

JUL

AUG

SEP

T30

NOV

DEC

STAN

SITE	1				
------	---	--	--	--	--

DET'N LIMIT = .002

DET'N LIMIT = .200

26.600

29.030

28,060

27.160

26.970

26.800

27.740

27.740

26.840

30,170

28.180

.500

.390

.

.520

.530

.340

.450

1.050

.410

.400

.240 <T

.230 <T

DET'N LIMIT = .02

.

26.860

28.840

28,090

26.540

29.160

26.770

27.700

27.780

26.870

30,090

28.150

.240

.400

.

.500

.440

.450

.960

1.340

.400

.400

.390

.320

.

1	)	I	N	G									F	R	E	E		F	L	0	H						
•	•	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	-	-	-	-	-	

SITE 2

GUIDELINE = .40 (F2)

GUIDELINE = 500. (A3)

26.380

28.840

27.740

26.760 27.100

27.000

26.530

26.950

29.730

28.360

.680

.240

.370

.530

.480

.440

.270

.350

.270

.270

.

.

.

26.510

28,900

26.580

26.700

27.170 26.960

.

26.700

27.750

30,120

27.640

.200

.750

.340

.680

.550

.520

.

.370

.400

.340

.240 <T

GUIDELINE = 1.00 (A1)

.

FREE FLOW

STANDING

. . . . .

## DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP) 1989

#### WATER TREATMENT PLANT

	RAW	TREATED	SITE 1			SITE 2	
			STANDING	FREE FLOW		STANDING	FREE FLOW
	METALS						
SILVER	(UG/L )		DET'N L	IMIT = .020		GUIDELINE	= 50. (A1)
JAN	.030 <t< td=""><td>.050 <t< td=""><td>.070 &lt;</td><td><t .090<="" td=""><td>&lt;1</td><td>.050</td><td><t .060="" <t<="" td=""></t></td></t></td></t<></td></t<>	.050 <t< td=""><td>.070 &lt;</td><td><t .090<="" td=""><td>&lt;1</td><td>.050</td><td><t .060="" <t<="" td=""></t></td></t></td></t<>	.070 <	<t .090<="" td=""><td>&lt;1</td><td>.050</td><td><t .060="" <t<="" td=""></t></td></t>	<1	.050	<t .060="" <t<="" td=""></t>
FEB	BDL	BDL	.060 •	<t .040<="" td=""><td><t< td=""><td>.030</td><td><t .030="" <t<="" td=""></t></td></t<></td></t>	<t< td=""><td>.030</td><td><t .030="" <t<="" td=""></t></td></t<>	.030	<t .030="" <t<="" td=""></t>
MAR	.040 <t< td=""><td>BDL</td><td></td><td></td><td></td><td>BDL</td><td>BDL</td></t<>	BDL				BDL	BDL
APR	.030 <t< td=""><td>.040 <t< td=""><td>.080 -</td><td></td><td></td><td>•</td><td></td></t<></td></t<>	.040 <t< td=""><td>.080 -</td><td></td><td></td><td>•</td><td></td></t<>	.080 -			•	
MAY	BDL	BDL	.040	<t .030<="" td=""><td><t< td=""><td>BDL</td><td>BOL</td></t<></td></t>	<t< td=""><td>BDL</td><td>BOL</td></t<>	BDL	BOL
JUN	BDL	BDL	BDL	BDL		BDL	BDL
JUL	BDL	BDL	BOL	BDL		BDL	BDL
AUG	BDL	BDL	BOL	BDL			
SEP	BDL	BDL	BDL	BDL		BDL	BDL
OCT	BDL	BDL	BDL	BDL		BDL	BDL
NOV	BDL	BDL	BDL	BDL		BDL	BOL
DEC	BDL	BDL	BDL	BDL		BDL	BDL
ALUMIN	UM (UG/L )		DET'N I	LIMIT = .050		GUIDELINE	= 100.(A4)
JAN	19.720	61.480	64.960	61.480		58.000	56.840
FEB	7.772	59.160	56.840	56.840		44.080	44.080
MAR	11.020	75.400				71.920	69.600
APR	6.148	85.840	83.520	80.040			•
HAY	9.860	110.200	127.600	111.360		150.800	116.000
JUN	9.800	87.000	98.000	96.000		97.000	87.000
JUL	7.720	129.000	112.500	109.620		108.150	97.590
AUG		150.000	150.000	160.000			•
SEP		210.000	180.000	190.000		180.000	180.000
OCT	7.200	100.000	73.000	87.000		82.000	85.000
NOV		57.000	64.000	57.000		58.000	58.000
DEC	16.000	63.000	66.000	56.000		53.000	51.000
ARSENI	C (UG/L )		DET ו N	LIMIT = 0.050		GUIDELINE	= 50.0 (A1)

JAN	.800 <t< th=""><th>1.000 <t< th=""><th>.850 <t< th=""><th>.920 <t< th=""><th>.720 <t< th=""><th>1.100</th></t<></th></t<></th></t<></th></t<></th></t<>	1.000 <t< th=""><th>.850 <t< th=""><th>.920 <t< th=""><th>.720 <t< th=""><th>1.100</th></t<></th></t<></th></t<></th></t<>	.850 <t< th=""><th>.920 <t< th=""><th>.720 <t< th=""><th>1.100</th></t<></th></t<></th></t<>	.920 <t< th=""><th>.720 <t< th=""><th>1.100</th></t<></th></t<>	.720 <t< th=""><th>1.100</th></t<>	1.100
FEB	1.900	2.100	2.200	1.500	1.700	1.800
MAR	1.600	2.000	•		2.300	1.800
APR	1.200	1.300	1.300	1.300		
HAY	1.600	1.500	1.600	1.600	1.900	1.600
JUN	1.400	1.400	1.900	1.700	1.600	1.500
JUL	1.400	1.580	1.380	1.740	1.520	1.220
AUG	1.500	1.900	1.500	1.800		
SEP	1.100	1.600	1.200	1.300	1.500	1.300
OCT	.880 <t< th=""><th>1.300</th><th>1.100</th><th>1.100</th><th>1.000 <t< th=""><th><b>.99</b>0 <t< th=""></t<></th></t<></th></t<>	1.300	1.100	1.100	1.000 <t< th=""><th><b>.99</b>0 <t< th=""></t<></th></t<>	<b>.99</b> 0 <t< th=""></t<>
NOV	.850 <t< th=""><th>1.300</th><th>1.200</th><th>1.000 <t< th=""><th>.900 <t< th=""><th>1.100</th></t<></th></t<></th></t<>	1.300	1.200	1.000 <t< th=""><th>.900 <t< th=""><th>1.100</th></t<></th></t<>	.900 <t< th=""><th>1.100</th></t<>	1.100
DEC	1.100	1.300	1.100	.940 <t< th=""><th>.840 <t< th=""><th>.880 <t< th=""></t<></th></t<></th></t<>	.840 <t< th=""><th>.880 <t< th=""></t<></th></t<>	.880 <t< th=""></t<>
BARIUM (	UG/L )		DET'N LIMIT	= 0.020	GUIDELINE = 1000	. (A1)
JAN	23.000	23.000	24.000	24.000	24.000	23.000
FEB	21.000	23.000	23.000	22.000	22.000	21.000
MAR	24.000	23.000			23.000	23.000

DISTRIBUTION SYSTEM

### DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP) 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
100	2/ 000	27 000	24,000	37 000		
APR	24.000 22.000	23.000	24.000	23.000 22.000	21 000	21.000
MAY		22.000	22.000		21.000	
JUN	25.000	24.000	25.000	24.000	25.000	24.000
JUL	25.030	24.450	25.430	25.600	25.520	25.020
AUG	24.000	24.000	25.000	25.000		
SEP	23.000	22.000	23.000	23.000	23.000	22.000
OCT	21.000	22.000	22.000	22.000	21.000	21.000
NOV	22.000	22.000	23.000	22.000	22.000	22.000
DEC	25.000	24.000	24.000	24.000	24.000	24.000
DRON (UG)	/L )		DET'N LI	MIT = 0.200	GUIDELINE = !	5000. (A1)
JAN	48.000	46.000	28.000	46.000	30.000	49.000
FEB	27.000	25.000	77.000	29.000	37.000	26.000
HAR	71.000	100.000	•	•	95.000	97.000
APR	53.000	170.000	45.000	55.000		
HAY	27.000	29.000	31.000	27.000	25.000	26.000
JUN	40.000	27.000	53.000	54.000	40.000	28.000
JUL	55.820	34.200	38,510	43.220	53.570	30.410
AUG	55.000	57.000	46.000	43.000		
SEP	45.000	43.000	32.000	30.000	44.000	34.000
OCT	25,000	34.000	40.000	30.000	27.000	26.000
NOV	25.000	33.000	38.000	24.000	25.000	25.000
DEC	28.000	28.000	27.000	25.000	25.000	24.000
RYLLIUM	(UG/L )		DET'N LI	MIT = 0.010	GUIOELINE = 1	N/A
JAN	.130 <t< td=""><td>.050 <t< td=""><td>BDL</td><td>80L</td><td>BOL</td><td>BOL</td></t<></td></t<>	.050 <t< td=""><td>BDL</td><td>80L</td><td>BOL</td><td>BOL</td></t<>	BDL	80L	BOL	BOL
FEB	BDL	BDL	.190 <t< td=""><td></td><td>BDL</td><td>.040 &lt;</td></t<>		BDL	.040 <
HAR	.090 <t< td=""><td>.220 <t< td=""><td></td><td></td><td>.150 <t< td=""><td>.120 &lt;</td></t<></td></t<></td></t<>	.220 <t< td=""><td></td><td></td><td>.150 <t< td=""><td>.120 &lt;</td></t<></td></t<>			.150 <t< td=""><td>.120 &lt;</td></t<>	.120 <
APR	.060 <t< td=""><td>.040 <t< td=""><td>060 <t< td=""><td>BDL</td><td></td><td></td></t<></td></t<></td></t<>	.040 <t< td=""><td>060 <t< td=""><td>BDL</td><td></td><td></td></t<></td></t<>	060 <t< td=""><td>BDL</td><td></td><td></td></t<>	BDL		
HAY	.020 <t< td=""><td>.030 <t< td=""><td>.030 &lt;1</td><td></td><td>100 <t< td=""><td>BDL</td></t<></td></t<></td></t<>	.030 <t< td=""><td>.030 &lt;1</td><td></td><td>100 <t< td=""><td>BDL</td></t<></td></t<>	.030 <1		100 <t< td=""><td>BDL</td></t<>	BDL
JUN	BDL	BOL	.100 <t< td=""><td></td><td></td><td>80L</td></t<>			80L
JUL	.110 <t< td=""><td>BDL</td><td>BDL</td><td></td><td>80L .030 <t< td=""><td>BDL</td></t<></td></t<>	BDL	BDL		80L .030 <t< td=""><td>BDL</td></t<>	BDL
AUG	.100 <t< td=""><td>.110 <t< td=""><td>BOL</td><td>BDL</td><td></td><td>BUL</td></t<></td></t<>	.110 <t< td=""><td>BOL</td><td>BDL</td><td></td><td>BUL</td></t<>	BOL	BDL		BUL
SEP	.120 <t< td=""><td></td><td></td><td>BDL</td><td>7&gt; 080</td><td>000</td></t<>			BDL	7> 080	000
OCT		.100 <t< td=""><td>.040 <t< td=""><td></td><td></td><td></td></t<></td></t<>	.040 <t< td=""><td></td><td></td><td></td></t<>			
	.040 <t< td=""><td>.030 <t< td=""><td>.040 <t< td=""><td></td><td></td><td></td></t<></td></t<></td></t<>	.030 <t< td=""><td>.040 <t< td=""><td></td><td></td><td></td></t<></td></t<>	.040 <t< td=""><td></td><td></td><td></td></t<>			
NOV	BOL	BDL BDL	.020 <t BDL</t 	.040 <t BDL</t 	.040 <t BDL</t 	.030 < BDL
DHIUH (L	JG/L )			••••••	GUIDELINE = 5	
LAN	PDI	001				
	BOL	BOL	BOL	BDL	BDL	BDL
FEB	BDL	BDL	BOL	BOL	BDL	BDL
MAR	BDL	BDL			BDL	BOL
APR	BDL	BDL	BDL	BDL		
HAY	BDL IT	.070 <t< td=""><td>BDL</td><td>BOL</td><td>.190 <t< td=""><td>BDL</td></t<></td></t<>	BDL	BOL	.190 <t< td=""><td>BDL</td></t<>	BDL
JUN	.150 <t< td=""><td>.120 <t< td=""><td>.320 <t< td=""><td></td><td></td><td>.090 &lt;</td></t<></td></t<></td></t<>	.120 <t< td=""><td>.320 <t< td=""><td></td><td></td><td>.090 &lt;</td></t<></td></t<>	.320 <t< td=""><td></td><td></td><td>.090 &lt;</td></t<>			.090 <
JUL	BOL	BDL	.160 <t< td=""><td></td><td></td><td>.090 &lt;</td></t<>			.090 <
AUG	<b>.17</b> 0 <t< td=""><td>.100 <t< td=""><td><b>.120</b> <t< td=""><td>.190 <t< td=""><td></td><td></td></t<></td></t<></td></t<></td></t<>	.100 <t< td=""><td><b>.120</b> <t< td=""><td>.190 <t< td=""><td></td><td></td></t<></td></t<></td></t<>	<b>.120</b> <t< td=""><td>.190 <t< td=""><td></td><td></td></t<></td></t<>	.190 <t< td=""><td></td><td></td></t<>		

## DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP) 1989

### WATER TREATMENT PLANT

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
SEP	BDL	BDL	BDL	BOL	BDL	BDL
OCT	BDL		BOL	BDL	BDL	BDL
NOV	BOL	BOL	BDL	.060 <t< th=""><th></th><th>BDL</th></t<>		BDL
DEC	BOL	BOL	BDL	BDL	BDL	.130 <t< th=""></t<>
COBALT (U	JG/L )		DET'N LI	IMIT = 0.020	GUIDELINE = N	/A
JAN	.200 <t< th=""><th><b>.16</b>0 <t< th=""><th>. 110 &lt;1</th><th>r .140 <t< th=""><th>.170 <t< th=""><th>.160 <t< th=""></t<></th></t<></th></t<></th></t<></th></t<>	<b>.16</b> 0 <t< th=""><th>. 110 &lt;1</th><th>r .140 <t< th=""><th>.170 <t< th=""><th>.160 <t< th=""></t<></th></t<></th></t<></th></t<>	. 110 <1	r .140 <t< th=""><th>.170 <t< th=""><th>.160 <t< th=""></t<></th></t<></th></t<>	.170 <t< th=""><th>.160 <t< th=""></t<></th></t<>	.160 <t< th=""></t<>
FEB	.310 <t< th=""><th>.270 <t< th=""><th></th><th></th><th></th><th></th></t<></th></t<>	.270 <t< th=""><th></th><th></th><th></th><th></th></t<>				
MAR	.040 <t< th=""><th>BDL</th><th>•</th><th></th><th>.110 <t< th=""><th></th></t<></th></t<>	BDL	•		.110 <t< th=""><th></th></t<>	
APR	.050 <t< th=""><th>.080 <t< th=""><th>.090 &lt;1</th><th></th><th></th><th></th></t<></th></t<>	.080 <t< th=""><th>.090 &lt;1</th><th></th><th></th><th></th></t<>	.090 <1			
MAY	.310 <t< th=""><th>.230 <t< th=""><th></th><th></th><th></th><th>.220 <t< th=""></t<></th></t<></th></t<>	.230 <t< th=""><th></th><th></th><th></th><th>.220 <t< th=""></t<></th></t<>				.220 <t< th=""></t<>
JUN	.030 <t< th=""><th>.060 <t< th=""><th></th><th></th><th>BOL</th><th>BDL</th></t<></th></t<>	.060 <t< th=""><th></th><th></th><th>BOL</th><th>BDL</th></t<>			BOL	BDL
JUL	.210 <t< th=""><th>.200 <t< th=""><th>.230 &lt;1</th><th></th><th></th><th>.260 <t< th=""></t<></th></t<></th></t<>	.200 <t< th=""><th>.230 &lt;1</th><th></th><th></th><th>.260 <t< th=""></t<></th></t<>	.230 <1			.260 <t< th=""></t<>
AUG	.090 <t< th=""><th>.100 <t< th=""><th>.190 &lt;1</th><th>т .090 &lt;т</th><th></th><th>•</th></t<></th></t<>	.100 <t< th=""><th>.190 &lt;1</th><th>т .090 &lt;т</th><th></th><th>•</th></t<>	.190 <1	т .090 <т		•
SEP	.100 <t< th=""><th>.090 <t< th=""><th>.110 &lt;1</th><th>r .040 <t< th=""><th>.050 <t< th=""><th>.040 <t< th=""></t<></th></t<></th></t<></th></t<></th></t<>	.090 <t< th=""><th>.110 &lt;1</th><th>r .040 <t< th=""><th>.050 <t< th=""><th>.040 <t< th=""></t<></th></t<></th></t<></th></t<>	.110 <1	r .040 <t< th=""><th>.050 <t< th=""><th>.040 <t< th=""></t<></th></t<></th></t<>	.050 <t< th=""><th>.040 <t< th=""></t<></th></t<>	.040 <t< th=""></t<>
OCT	.090 <t< th=""><th>.090 <t< th=""><th>.090 &lt;1</th><th>r .070 &lt; T</th><th>.100 <t< th=""><th>.100 <t< th=""></t<></th></t<></th></t<></th></t<>	.090 <t< th=""><th>.090 &lt;1</th><th>r .070 &lt; T</th><th>.100 <t< th=""><th>.100 <t< th=""></t<></th></t<></th></t<>	.090 <1	r .070 < T	.100 <t< th=""><th>.100 <t< th=""></t<></th></t<>	.100 <t< th=""></t<>
NOV		.220 <t< th=""><th></th><th></th><th></th><th>.210 <t< th=""></t<></th></t<>				.210 <t< th=""></t<>
DEC	.090 <t< th=""><th><b>.13</b>0 <t< th=""><th>.050 &lt;1</th><th>r .140 <t< th=""><th>.110 <t< th=""><th>.140 <t< th=""></t<></th></t<></th></t<></th></t<></th></t<>	<b>.13</b> 0 <t< th=""><th>.050 &lt;1</th><th>r .140 <t< th=""><th>.110 <t< th=""><th>.140 <t< th=""></t<></th></t<></th></t<></th></t<>	.050 <1	r .140 <t< th=""><th>.110 <t< th=""><th>.140 <t< th=""></t<></th></t<></th></t<>	.110 <t< th=""><th>.140 <t< th=""></t<></th></t<>	.140 <t< th=""></t<>
CHROMIUM	(UG/L )		DELIN L	IMIT = 0.100	GOIDELINE	0. (AI)
JAN	5,500	5.300	.660 <1	r 4.700	1.100	5.200
FEB	.430 <t< th=""><th>.280 <t< th=""><th></th><th></th><th>1.500</th><th>.530 <t< th=""></t<></th></t<></th></t<>	.280 <t< th=""><th></th><th></th><th>1.500</th><th>.530 <t< th=""></t<></th></t<>			1.500	.530 <t< th=""></t<>
MAR	4.600	8.200			7.400	7.300
APR	1.200	5.300	.800 <1	T 1.300		
MAY	1.900	2.200	2.600	1.800	.460 <t< th=""><th>1.500</th></t<>	1.500
JUN	3.400	.910 <t< th=""><th>5.500</th><th>5.900</th><th>3.100</th><th>.850 <t< th=""></t<></th></t<>	5.500	5.900	3.100	.850 <t< th=""></t<>
JUL	6.320	1.810	2.340	3.640	5.980	.750 <t< th=""></t<>
AUG	5.600	5.600	3.400	3.300		•
SEP	5.400	5.100	2.000	1.600	4.800	2.400
OCT	1.100	3.400	2.300	1.900	1.300	1.100
NOV	.400 <t< th=""><th>1.600</th><th>2.800</th><th>.170 <t< th=""><th>.250 <t< th=""><th>.150 <t< th=""></t<></th></t<></th></t<></th></t<>	1.600	2.800	.170 <t< th=""><th>.250 <t< th=""><th>.150 <t< th=""></t<></th></t<></th></t<>	.250 <t< th=""><th>.150 <t< th=""></t<></th></t<>	.150 <t< th=""></t<>
DEC	.660 <t< th=""><th>BDL</th><th>BDL</th><th>BDL</th><th>BDL</th><th>BOL</th></t<>	BDL	BDL	BDL	BDL	BOL
COPPER (L	JG/L )		DETIN 1	IMIT = .100	GUIDELINE =	1000 (#3)
GOFFER (C	Ja/L /		DETRE	1411 - 1100	GOIDELINE -	
JAN	21.000	17.000	130.000	14.000	13.000	4.100
FEB	20.000	39.000	19.000	180.000	13.000	3.600
MAR	19.000	16.000			9.800	2.800
APR	12.000	19.000	120.000	13.000		
MAY	17.000	4.300	52.000	5.000	5.700	2.100
JUN	31.000	4.600	78.000	12.000	10.000	2.500
JUL	32.530	22.880	98.310	13.030	10.430	3.510
AUG	46.000	10.000	76.000	12.000		
SEP	36.000	7.500	53.000	6.900	9.500	3.100
OCT	31.000	5.300	31.000	9.300	8.700	4.100
NOV	33.000	5.100	87.000	8.300	12.000	3.200
DEC	35 000	E 500	100,000	( (00	17 000	2 700 <1

6.600

13.000

2.700 <T

DEC

25.000

5.500

100.000

DISTRIBUTION SYSTEM

### DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP) 1989

RAW	TREAT	ED	SITE 1				SITE 2		
			STANDING	I	FREE FLOW		STANDING	F	REE FLOW
)			DET'N	LIMIT	= 4.000		GUIDELINE	= 300.	(A3)
32.000	<ī 7.3	00 <t< td=""><td>23.000</td><td><t< td=""><td>11.000</td><td><t< td=""><td>30.000</td><td><t< td=""><td>26.000</td></t<></td></t<></td></t<></td></t<>	23.000	<t< td=""><td>11.000</td><td><t< td=""><td>30.000</td><td><t< td=""><td>26.000</td></t<></td></t<></td></t<>	11.000	<t< td=""><td>30.000</td><td><t< td=""><td>26.000</td></t<></td></t<>	30.000	<t< td=""><td>26.000</td></t<>	26.000
9.000	<t 8.3<="" td=""><td>00 <t< td=""><td>15.000</td><td><t< td=""><td>9.900</td><td><t< td=""><td>31.000</td><td><t< td=""><td>37.000</td></t<></td></t<></td></t<></td></t<></td></t>	00 <t< td=""><td>15.000</td><td><t< td=""><td>9.900</td><td><t< td=""><td>31.000</td><td><t< td=""><td>37.000</td></t<></td></t<></td></t<></td></t<>	15.000	<t< td=""><td>9.900</td><td><t< td=""><td>31.000</td><td><t< td=""><td>37.000</td></t<></td></t<></td></t<>	9.900	<t< td=""><td>31.000</td><td><t< td=""><td>37.000</td></t<></td></t<>	31.000	<t< td=""><td>37.000</td></t<>	37.000
17.000	<t 8.1<="" td=""><td>00 <t< td=""><td></td><td></td><td></td><td></td><td>62.000</td><td></td><td>64.000</td></t<></td></t>	00 <t< td=""><td></td><td></td><td></td><td></td><td>62.000</td><td></td><td>64.000</td></t<>					62.000		64.000
BOL	В	DL							•
BOL	8	DL	BOL		BDL				28.000
11.000			7.100	<1	7.000	<t< td=""><td>44.000</td><td><t< td=""><td>50.000</td></t<></td></t<>	44.000	<t< td=""><td>50.000</td></t<>	50.000
7.480	<t 5.7<="" td=""><td>40 <t< td=""><td>6.170</td><td><t< td=""><td>5.860</td><td><t< td=""><td>30.440</td><td><t< td=""><td>24.270</td></t<></td></t<></td></t<></td></t<></td></t>	40 <t< td=""><td>6.170</td><td><t< td=""><td>5.860</td><td><t< td=""><td>30.440</td><td><t< td=""><td>24.270</td></t<></td></t<></td></t<></td></t<>	6.170	<t< td=""><td>5.860</td><td><t< td=""><td>30.440</td><td><t< td=""><td>24.270</td></t<></td></t<></td></t<>	5.860	<t< td=""><td>30.440</td><td><t< td=""><td>24.270</td></t<></td></t<>	30.440	<t< td=""><td>24.270</td></t<>	24.270
8.200	<t 8<="" td=""><td>DL</td><td>BOL</td><td></td><td>5.400</td><td><t< td=""><td></td><td></td><td></td></t<></td></t>	DL	BOL		5.400	<t< td=""><td></td><td></td><td></td></t<>			
6.400	<t 8<="" td=""><td>DL</td><td>8.800</td><td><t< td=""><td>6.000</td><td><t< td=""><td>37.000</td><td><t< td=""><td>30.000</td></t<></td></t<></td></t<></td></t>	DL	8.800	<t< td=""><td>6.000</td><td><t< td=""><td>37.000</td><td><t< td=""><td>30.000</td></t<></td></t<></td></t<>	6.000	<t< td=""><td>37.000</td><td><t< td=""><td>30.000</td></t<></td></t<>	37.000	<t< td=""><td>30.000</td></t<>	30.000
11.000	<1 7.2	T> 00	BOL		BDL		34.000	<t< td=""><td>31.000</td></t<>	31.000
33.000	<t 8<="" td=""><td>DL</td><td>BDL</td><td></td><td>6.600</td><td><t< td=""><td>45.000</td><td><t< td=""><td>46.000</td></t<></td></t<></td></t>	DL	BDL		6.600	<t< td=""><td>45.000</td><td><t< td=""><td>46.000</td></t<></td></t<>	45.000	<t< td=""><td>46.000</td></t<>	46.000
26.000	<t 8<="" td=""><td>DL</td><td>BDL</td><td></td><td>BOL</td><td></td><td>44.000</td><td><t< td=""><td>50.000</td></t<></td></t>	DL	BDL		BOL		44.000	<t< td=""><td>50.000</td></t<>	50.000
;/L )			DET'N	LIMIT	= 0.010		GUIDELINE	= 1.00	0 (A1)
			•				•		.030
			•		.030	<t< td=""><td>•</td><td></td><td>BOL</td></t<>	•		BOL
			•				•		.050
			٠		BOL		•		•
			٠		BDL				BOL
			٠		BDL		•		BDL
			•		.030	<1	٠		.020
	B	DL	•		BOL		•		٠
			•		BDL		•		BOL
BDL	B	DL	•		BOL		•		BOL
BDL			•		BDL		•		BOL
.020	<t .0<="" td=""><td>20 <t< td=""><td>•</td><td></td><td>.020</td><td><t< td=""><td>•</td><td></td><td>.020</td></t<></td></t<></td></t>	20 <t< td=""><td>•</td><td></td><td>.020</td><td><t< td=""><td>•</td><td></td><td>.020</td></t<></td></t<>	•		.020	<t< td=""><td>•</td><td></td><td>.020</td></t<>	•		.020
UG/L	>		DET'N	LIMIT	= .050		GUIDELINE	= 50.0	(A3)
2.500	.3	)0 <t< td=""><td>.360</td><td>&lt;ī</td><td>.410</td><td>&lt;ī</td><td>1,200</td><td></td><td>1.100</td></t<>	.360	<ī	.410	<ī	1,200		1.100
1.100									1.000
1.300									1.600
.850			.270	<1	.370	<1			
1.300									.790
1.700									1.700
									1.690
									1.400
									1.300
									1.200
2.800							1.100		1.200
			DETIN	LIMIT	= 0.020		GUIDELINE	= N/A	
(UG/L	)								
		0							
1.200	1.3		1.300		1.300		1.200		1.300
		00			1.300 1.600		1.200 1.600 1.500		1.300 1.500 1.500
	) 32.000 9.000 17.000 BDL BDL 11.000 7.480 8.200 6.400 11.000 33.000 26.000 5/L ) BDL BDL BDL BDL BDL BDL BDL BDL	) 32.000 <t 7.30<br="">9.000 <t 8.30<br="">17.000 <t 8.10<br="">BDL BH BDL BH 11.000 <t 6.70<br="">7.480 <t 5.70<br="">8.200 <t bh<br="">6.400 <t bh<br="">6.400 <t bh<br="">11.000 <t 7.20<br="">33.000 <t bh<br="">26.000 <t bh<br="">26.000 <t bh<br="">BDL BH BDL BH BH BDL BH BH BDL BH BH BH BH BH BH BH BH BH BH</t></t></t></t></t></t></t></t></t></t></t></t>	) 32.000 <t 7.300="" <t<br="">9.000 <t 8.300="" <t<br="">17.000 <t 8.100="" <t<br="">BDL BDL BDL BDL BDL BDL 11.000 <t 6.700="" <t<br="">7.480 <t 5.740="" <t<br="">8.200 <t bdl<br="">11.000 <t 7.200="" <t<br="">33.000 <t bdl<br="">11.000 <t 7.200="" <t<br="">33.000 <t bdl<br="">26.000 <t bdl<br="">33.000 <t bdl<br="">35/L ) BDL 0.20 <t .020 <t 0.40="" <t<br="">.020 <t 0.40="" <t<br="">BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL C020 <t 0.200="" <t<br="">.020 <t 0.200="" <t<br="">BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL CC T .020 <t 0.200="" <t<br="">.020 <t .020 <t 0.200="" <t<br="">.020 <t .020 <t 0.200="" <t<br="">.020 <t .020 <t .020</t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t></t </t></t </t></t></t></t></t></t></t></t></t></t></t></t></t></t></t></t></t></t></t></t></t></t></t></t></t></t></t></t></t></t></t></t></t </t></t></t></t></t></t></t></t></t></t></t></t>	STANDING   ) DET'N   32.000 <t< td=""> 7.300 <t< td=""> 23.000   9.000 <t< td=""> 8.300 <t< td=""> 15.000   17.000 <t< td=""> 8.100 <t< td=""> .   BDL BDL BDL BDL   BDL BDL BDL BDL   11.000 <t< td=""> 6.700 <t< td=""> 7.100   7.480 <t< td=""> 5.740 <t< td=""> 6.170   8.200 <t< td=""> BDL BDL BDL   6.400 <t< td=""> BDL BDL BDL   33.000 <t< td=""> BDL BDL BDL   33.000 <t< td=""> BDL BDL BDL   7.200 <t< td=""> BDL BDL BDL   33.000 <t< td=""> BDL BDL BDL   26.000 <t< td=""> BDL BDL BDL   8DL .020 <t< td=""> . .   .020 <t< td=""> .020 <t< td=""> . .   .020 <t< td=""> .020 <t< td=""> . .   BDL BDL BDL . .   BDL BDL BDL . .   BDL BDL BDL .</t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<>	STANDING   ) DET'N LIMIT   32.000 <t< td=""> 7.300 <t< td=""> 23.000 <t< td="">   9.000 <t< td=""> 8.300 <t< td=""> 15.000 <t< td="">   17.000 <t< td=""> 8.100 <t< td=""> .   80L B0L B0L B0L   80L B0L B0L B0L   11.000 <t< td=""> 6.700 <t< td=""> 7.100 <t< td="">   7.480 <t< td=""> 5.740 <t< td=""> 6.170 <t< td="">   8.200 <t< td=""> B0L B0L B0L   6.400 <t< td=""> B0L B0L B0L   33.000 <t< td=""> B0L B0L B0L   26.000 <t< td=""> B0L B0L B0L   33.000 <t< td=""> B0L B0L B0L   26.000 <t< td=""> B0L B0L B0L   33.000 <t< td=""> B0L B0L B0L   300 <t< td=""> .020 <t< td=""> . B0L   .020 <t< td=""> .020 <t< td=""> . .   B0L B0L B0L .</t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<>	STANDING   FREE FLOW     )   DET'N LIMIT = 4.000     32.000 <t< td="">   7.300 <t< td="">   23.000 <t< td="">   11.000     9.000 <t< td="">   8.300 <t< td="">   15.000 <t< td="">   9.900     17.000 <t< td="">   8.100 <t< td="">   .   .   .     BDL   BDL   BDL   5.500   .   .     BDL   BDL   BDL   BDL   BDL   .     11.000 <t< td="">   6.700 <t< td="">   7.100 <t< td="">   7.000   .   .     7.480 <t< td="">   5.740 <t< td="">   6.170 <t< td="">   5.860   .   .   .     8.200 <t< td="">   BDL   8.800 <t< td="">   6.000   .   .   .   .     33.000 <t< td="">   BDL   8.800 <t< td="">   .   .   .   .     ./L   )   DET'N LIMIT = 0.010   .   .   .   .    </t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<>	STANDING FREE FLOW   ) DET'N LIMIT = 4.000   32.000 <t< td=""> 7.300 <t< td=""> 23.000 <t< td=""> 11.000 <t< td="">   9.000 <t< td=""> 8.300 <t< td=""> 15.000 <t< td=""> 9.900 <t< td="">   17.000 <t< td=""> 8.100 <t< td=""> . .   BDL BDL BDL BDL BDL   BDL BDL BDL BDL BDL   11.000 <t< td=""> 6.700 <t< td=""> 7.100 <t< td=""> 7.000 <t< td="">   7.480 <t< td=""> 5.740 <t< td=""> 6.170 <t< td=""> 5.860 <t< td="">   8.200 <t< td=""> BDL BDL BDL BDL   3.000 <t< td=""> .020 <t< td=""> . BDL BDL   .020 <t< td=""> .040 <t< td=""> . BDL BDL   BDL BDL BDL BDL BDL   BDL</t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<>	STANDING   FREE FLOW   STANDING     )   DET'N LIMIT = 4.000   GUIDELINE     32.000 <t< td="">   7.300 <t< td="">   23.000 <t< td="">   11.000 <t< td="">   30.000     9.000 <t< td="">   8.300 <t< td="">   15.000 <t< td="">   9.900 <t< td="">   31.000     17.000 <t< td="">   8.100 <t< td="">   .   .   .   .     80L   BDL   BDL   BDL   S.000 <t< td="">   .   .   .     10.00 <t< td="">   6.700 <t< td="">   7.100 <t< td="">   7.000 <t< td="">   .   .   .   .   .     80L   BDL   BDL   BDL   S.400 <t< td="">   .</t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<>	STANDING   FREE FLOW   STANDING   F     )   DET'N LIMIT = 4.000   GUIDELINE = 300.     32.000 <t< td="">   7.300 <t< td="">   23.000 <t< td="">   11.000 <t< td="">   30.000 <t< td="">     9.000 <t< td="">   8.300 <t< td="">   15.000 <t< td="">   9.900 <t< td="">   31.000 <t< td="">     9.000 <t< td="">   8.300 <t< td="">   15.000 <t< td="">   9.900 <t< td="">   31.000 <t< td="">     80L   BDL   BDL   5.500 <t< td="">   .   62.000 <t< td="">     80L   BDL   BDL   S5.400 <t< td="">   .   62.000 <t< td="">     11.000 <t< td="">   6.700 <t< td="">   7.100 <t< td="">   7.000 <t< td="">   44.000 <t< td="">     7.480 <t< td="">   5.740 <t< td="">   6.170 <t< td="">   5.860 <t< td="">   30.440 <t< td="">     8.200 <t< td="">   BDL   BBL   5.400 <t< td="">   .     11.000 <t< td="">   7.200 <t< td="">   BDL   BDL   34.000 <t< td="">     33.000 <t< td="">   BDL   BDL   BDL   34.000 <t< td="">     26.000 <t< td="">   BDL   BDL   5.000 <t< td="">   5.000 <t< td="">     30.000 <t< td="">   BDL   BDL   BDL   5.000 <t< td="">     30.000 <t< td="">   .020 <t< td=""></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<></t<>

## DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP) 1989

DISTRIBUTION SYSTEM

.580

.720

.680

#### WATER TREATMENT PLANT

	RAW	TREATED	SITE 1		SITE 2	1.300 1.500 1.630 1.630 1.200 1.200 1.200 = 50. (F3) = 50. (F3) 1.700 <t 2.400 <t 1.300="" <t<br="">2.800 <t 1.400="" <t<br="">3.460</t></t></t 	
			STANDING	FREE FLOW	STANDING	FREE FLOW	
MAY	1.500	1,500	1.500	1.400	1.300	1.300	
JUN	1.400		1.600	1,400			
JUL	1.370		1.510	1.540	1.720		
AUG	1.500	1.400	1.400	1.400			
SEP	1.300	1.300	1.100	1.200	1.100	1.300	
OCT	1.100	1.200	1.200	1.200	1.300		
NOV	1.100	1.200	1.200	1.100	1.200		
DEC	1.300	1.300	1.300				
		1.300					
NICKEL (UG/L	>		OET'N LI	MIT = 0.100	GUIDELINE =	50. (F3)	
JAN	1.600 <t< td=""><td>1.800 <t< td=""><td>2.300</td><td>1.700 <t< td=""><td>2.400</td><td>1.700 <t< td=""></t<></td></t<></td></t<></td></t<>	1.800 <t< td=""><td>2.300</td><td>1.700 <t< td=""><td>2.400</td><td>1.700 <t< td=""></t<></td></t<></td></t<>	2.300	1.700 <t< td=""><td>2.400</td><td>1.700 <t< td=""></t<></td></t<>	2.400	1.700 <t< td=""></t<>	
FEB	2.600	2.000 <t< td=""><td>2.000 <t< td=""><td>5.800</td><td>2.700</td><td>2.400</td></t<></td></t<>	2.000 <t< td=""><td>5.800</td><td>2.700</td><td>2.400</td></t<>	5.800	2.700	2.400	
MAR	1.600 <t< td=""><td>1.100 <t< td=""><td>6</td><td></td><td>1.600 <t< td=""><td>1.300 <t< td=""></t<></td></t<></td></t<></td></t<>	1.100 <t< td=""><td>6</td><td></td><td>1.600 <t< td=""><td>1.300 <t< td=""></t<></td></t<></td></t<>	6		1.600 <t< td=""><td>1.300 <t< td=""></t<></td></t<>	1.300 <t< td=""></t<>	
APR	.880 <t< td=""><td>1.200 <t< td=""><td></td><td>.710 <t< td=""><td></td><td>•</td></t<></td></t<></td></t<>	1.200 <t< td=""><td></td><td>.710 <t< td=""><td></td><td>•</td></t<></td></t<>		.710 <t< td=""><td></td><td>•</td></t<>		•	
HAY	2.500	2.200	2.900	2,800	3.000	2.800	
JUN	1.300 <t< td=""><td>1.600 <t< td=""><td>3.100</td><td>1.400 <t< td=""><td>1.600 <t< td=""><td>1.400 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	1.600 <t< td=""><td>3.100</td><td>1.400 <t< td=""><td>1.600 <t< td=""><td>1.400 <t< td=""></t<></td></t<></td></t<></td></t<>	3.100	1.400 <t< td=""><td>1.600 <t< td=""><td>1.400 <t< td=""></t<></td></t<></td></t<>	1.600 <t< td=""><td>1.400 <t< td=""></t<></td></t<>	1.400 <t< td=""></t<>	
JUL	3.280	3,160	4.700	3.320	3.810	3.460	
	.880 <t< td=""><td>.760 <t< td=""><td>2.900</td><td>.710 <t< td=""><td></td><td>•</td></t<></td></t<></td></t<>	.760 <t< td=""><td>2.900</td><td>.710 <t< td=""><td></td><td>•</td></t<></td></t<>	2.900	.710 <t< td=""><td></td><td>•</td></t<>		•	
	1.300 <t< td=""><td></td><td></td><td>1.200 <t< td=""><td></td><td></td></t<></td></t<>			1.200 <t< td=""><td></td><td></td></t<>			
OCT	.910 <t< td=""><td>.730 <t< td=""><td>4,300</td><td></td><td></td><td>1.000 <t< td=""></t<></td></t<></td></t<>	.730 <t< td=""><td>4,300</td><td></td><td></td><td>1.000 <t< td=""></t<></td></t<>	4,300			1.000 <t< td=""></t<>	
NOV	.850 <t< td=""><td>.400 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	.400 <t< td=""><td></td><td></td><td></td><td></td></t<>					
DEC	1.400 <t< td=""><td>1.700 <t< td=""><td></td><td></td><td></td><td>1.200 <t< td=""></t<></td></t<></td></t<>	1.700 <t< td=""><td></td><td></td><td></td><td>1.200 <t< td=""></t<></td></t<>				1.200 <t< td=""></t<>	
LEAD (UG/L	)		DET'N LI	MIT = 0.050	GUIDELINE =	50. (A1)	
1411	280	( 20	8 200	700	1 100	.340	
JAN	.280	.420	8.200	.700	1.100	.930	
FEB	.570	1.400	1.700	9.500	1.800	.330	
MAR	.410	.610			1.300		
APR	.190 <t< td=""><td>.490</td><td></td><td>.970</td><td></td><td>•</td></t<>	.490		.970		•	
MAY	.930	.460	3.900	.560	.660	.310	
JUN	.930	.350	7.000	1.100	1.200	.220	
JUL	1.090	1.120	7.790	1.580	1.930	.500	
AUG	.980	1.000	8.300	1.400			
SEP	.540	2.800	5.400	.700	.940	.290	
OCT	.410	1.800	2.300	.960	1.100	.330	
NOV	.400	.600	5.600	.450	.600	.220	
DEC	.340 <t< td=""><td>.760</td><td>5.600</td><td>.600</td><td>.650</td><td>.120 <t< td=""></t<></td></t<>	.760	5.600	.600	.650	.120 <t< td=""></t<>	
ANTIMONY (UG	/L )		DET'N LI	MIT = .050	GUIDELINE =	146. (D4)	
JAN	.510	.550	.450	.500	.450	.530	
FEB	.820	.790	.840	.900	.820	.930	
MAR	.890	.780			.900	.820	
APR	.740	.780	.730	.730	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
HAY	.940	1.000	.870	.890	.950	.840	
JUN	.840	.690	.810	.860	.830	.820	
JUL	.870	.800	.870	.950	.820	.810	
AUG	.850	.780	.920	.740	.020		
AUG	.030	.700	.920	.740		5.80	

.720

SEP

.630

.650

## DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP) 1989

DISTRIBUTION SYSTEM

WATER TREATMENT PLANT

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
ост	.580	.620	.600	.630	.580	.560
NOV	.480	.750	.530	.610	.530	.830
DEC	.500 <t< td=""><td>.500 <t< td=""><td>.450 &lt;1</td><td>.620</td><td>.630</td><td>.500 &lt;</td></t<></td></t<>	.500 <t< td=""><td>.450 &lt;1</td><td>.620</td><td>.630</td><td>.500 &lt;</td></t<>	.450 <1	.620	.630	.500 <
ELENIUM	(UG/L )		DET'N LI	MIT = 0.200	GUIDELINE	= 10. (A1)
JAN	BOL	1.400 <t< td=""><td>1.000 &lt;1</td><td>1.900</td><td><t 1.400<="" td=""><td><t 2.300="" <<="" td=""></t></td></t></td></t<>	1.000 <1	1.900	<t 1.400<="" td=""><td><t 2.300="" <<="" td=""></t></td></t>	<t 2.300="" <<="" td=""></t>
FEB	.920 <t< td=""><td>BDL</td><td>4.800 &lt;1</td><td>4.000</td><td><t .850<="" td=""><td><t 3.500="" <<="" td=""></t></td></t></td></t<>	BDL	4.800 <1	4.000	<t .850<="" td=""><td><t 3.500="" <<="" td=""></t></td></t>	<t 3.500="" <<="" td=""></t>
MAR	2.200 <t< td=""><td>3.300 <t< td=""><td>٩</td><td></td><td>3.800</td><td><t 4.500="" <<="" td=""></t></td></t<></td></t<>	3.300 <t< td=""><td>٩</td><td></td><td>3.800</td><td><t 4.500="" <<="" td=""></t></td></t<>	٩		3.800	<t 4.500="" <<="" td=""></t>
APR	2.800 <t< td=""><td>3.400 <t< td=""><td>3.600 &lt;1</td><td>3.200</td><td>&lt;ī .</td><td>•</td></t<></td></t<>	3.400 <t< td=""><td>3.600 &lt;1</td><td>3.200</td><td>&lt;ī .</td><td>•</td></t<>	3.600 <1	3.200	<ī .	•
MAY	2.500 <t< td=""><td>2.500 <t< td=""><td>6.400 &lt;1</td><td>2.500</td><td><t 4.500<="" td=""><td><t 5.600="" <<="" td=""></t></td></t></td></t<></td></t<>	2.500 <t< td=""><td>6.400 &lt;1</td><td>2.500</td><td><t 4.500<="" td=""><td><t 5.600="" <<="" td=""></t></td></t></td></t<>	6.400 <1	2.500	<t 4.500<="" td=""><td><t 5.600="" <<="" td=""></t></td></t>	<t 5.600="" <<="" td=""></t>
JUN	BOL	<b>3.900</b> <t< td=""><td>4.600 &lt;1</td><td>4.400</td><td></td><td></td></t<>	4.600 <1	4.400		
JUL	BOL	BDL	BDL	1.660		1.660 <
AUG	BOL	2.900 <t< td=""><td>1.500 &lt;1</td><td></td><td></td><td></td></t<>	1.500 <1			
SEP	BDL	BDL	1.100 <1		BOL	
OCT	BDL	1.200 <t< td=""><td>1.100 &lt;1</td><td></td><td></td><td></td></t<>	1.100 <1			
NON	BDL	1.200 <t< td=""><td>1.700 &lt;1</td><td></td><td></td><td></td></t<>	1.700 <1			
DEC	BOL	BDL	BDL	BDL	BDL	BDL
TRONTIUM	(UG/L )		DET'N LI	MIT = .050	GUIDELINE	= N/A
JAN	180.000	180.000	180.000	170.000	180.000	170.000
FEB	170.000	170.000	170.000	170.000	170.000	170.000
MAR	180.000	180.000	٠		180.000	180.000
APR	180.000	180,000	180.000	180.000		•
MAY	170.000	170.000	170.000	180.000	170.000	170.000
JUN	170.000	160.000	190.000	170.000	170.000	170.000
JUL	193.000	188.700	194.920	197.110	194.920	189.550
AUG	180.000	180.000	180.000	180.000	•	•
SEP	180.000	180.000	180.000	190.000	180.000	180.000
OCT	170.000	180.000	190.000	180.000	180.000	180.000
NOV	180.000	180.000	180.000	170.000	170.000	180.000
DEC	170.000	170.000	170.000	180.000	180.000	180.000
ITANIUM	(UG/L )		OET'N LI	IMIT = .050	GUIDELINE	= N/A
JAN	4.600	2.800	2.400	2.800	2.300	2.700
FEB	6.400	7.000	8.300	7.700	8.300	7.200
MAR	7.300	5.700			7.100	7.400
APR	4.700	6.400	6.400	6.400	•	•
MAY	2.300	3.000	1.600 <1	r 2.200	3.900	3.400
JUN	7.400	6.200	7.100	6.300	7.000	6.400
JUL	6.170	6.950	6.880	6.360	6.800	6.610
AUG	7.100	6.600	7.100	6.900	•	
SEP	4.500	7.100	5.100	4.800	5.200	4.800
OCT	5.300	4.900	3.100	2.700	2.700	2.800
NON	5.800	5.000	3.500	2.800	3.000	2.900
DEC	3.000 <t< td=""><td>2.500 <t< td=""><td>2.500 &lt;1</td><td>2.700</td><td><t 2.600<="" td=""><td><r 2.700="" <<="" td=""></r></td></t></td></t<></td></t<>	2.500 <t< td=""><td>2.500 &lt;1</td><td>2.700</td><td><t 2.600<="" td=""><td><r 2.700="" <<="" td=""></r></td></t></td></t<>	2.500 <1	2.700	<t 2.600<="" td=""><td><r 2.700="" <<="" td=""></r></td></t>	<r 2.700="" <<="" td=""></r>

## DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP) 1989

### WATER TREATMENT PLANT

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
HAL	BDL	BOL	BDL	BOL	BDL	BDL
FEB	BDL	.130 <t< td=""><td>BDL</td><td>.060 <t< td=""><td>BDL</td><td>BDL</td></t<></td></t<>	BDL	.060 <t< td=""><td>BDL</td><td>BDL</td></t<>	BDL	BDL
MAR	BDL	.040 <t< td=""><td></td><td></td><td>BDL</td><td>BDL</td></t<>			BDL	BDL
APR	BDL	BDL	BDL	BDL	•	
MAY	.070 <t< td=""><td>.150 <t< td=""><td>.070 <t< td=""><td></td><td>.130 <t< td=""><td></td></t<></td></t<></td></t<></td></t<>	.150 <t< td=""><td>.070 <t< td=""><td></td><td>.130 <t< td=""><td></td></t<></td></t<></td></t<>	.070 <t< td=""><td></td><td>.130 <t< td=""><td></td></t<></td></t<>		.130 <t< td=""><td></td></t<>	
NUL	BDL	BDL	BDL	BOL	BDL	BDL
JUL	.180 <t< td=""><td>.090 <t< td=""><td>.040 <t< td=""><td></td><td>.060 <t< td=""><td>.060 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.090 <t< td=""><td>.040 <t< td=""><td></td><td>.060 <t< td=""><td>.060 <t< td=""></t<></td></t<></td></t<></td></t<>	.040 <t< td=""><td></td><td>.060 <t< td=""><td>.060 <t< td=""></t<></td></t<></td></t<>		.060 <t< td=""><td>.060 <t< td=""></t<></td></t<>	.060 <t< td=""></t<>
AUG	BDL	BDL	BDL	BDL		•
SEP	BDL	BDL	BOL	.020 <t< td=""><td>BDL</td><td>.020 <t< td=""></t<></td></t<>	BDL	.020 <t< td=""></t<>
OCT	BDL	BDL	BDL	BDL	BDL	BDL
NOV	BDL	BDL	BDL	.030 <t< td=""><td>.030 <t< td=""><td>.020 <t< td=""></t<></td></t<></td></t<>	.030 <t< td=""><td>.020 <t< td=""></t<></td></t<>	.020 <t< td=""></t<>
DEC	BDL	BDL	BDL	BDL	BDL	BDL
URANIUM (UG/L	)		DET'N LI	MIT = .020	GUIDELINE = 3	20. (A2)
JAN	.290	. 360	.370	.380	.380	.340
FEB	.500	.730	.760	.660	.650	.760
MAR	.530	.510	•		.500	.540
APR	.410	. 480	.510	.500		•
HAY	.490	.500	.520	.580	. 490	.480
JUN	.600	.590	.700	.600	.600	.740
JUL	.830	.780	.750	.710	. 700	.720
AUG	.630	.570	.650	.640	•	
SEP	.290	.310	.310	.320	.360	.270
OCT	.270	.310	.360	.340	.310	.320
NOV	.260	.350	.390	.350	.340	.380
DEC	<b>.340</b> <t< td=""><td>.<b>39</b>0 <t< td=""><td>.320 <t< td=""><td><b>.350</b> <t< td=""><td>.330 <t< td=""><td>.310 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<>	. <b>39</b> 0 <t< td=""><td>.320 <t< td=""><td><b>.350</b> <t< td=""><td>.330 <t< td=""><td>.310 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.320 <t< td=""><td><b>.350</b> <t< td=""><td>.330 <t< td=""><td>.310 <t< td=""></t<></td></t<></td></t<></td></t<>	<b>.350</b> <t< td=""><td>.330 <t< td=""><td>.310 <t< td=""></t<></td></t<></td></t<>	.330 <t< td=""><td>.310 <t< td=""></t<></td></t<>	.310 <t< td=""></t<>
VANADIUM (UG/	L)		DET'N LI	MIT = .050	GUIDELINE =	N/A
JAN	.240 <t< td=""><td>.230 &lt;1</td><td>.250 <t< td=""><td><b>.28</b>0 <t< td=""><td>.230 <t< td=""><td>.250 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.230 <1	.250 <t< td=""><td><b>.28</b>0 <t< td=""><td>.230 <t< td=""><td>.250 <t< td=""></t<></td></t<></td></t<></td></t<>	<b>.28</b> 0 <t< td=""><td>.230 <t< td=""><td>.250 <t< td=""></t<></td></t<></td></t<>	.230 <t< td=""><td>.250 <t< td=""></t<></td></t<>	.250 <t< td=""></t<>
FEB	.400 <t< td=""><td><b>.390</b> <t< td=""><td>.410 <t< td=""><td><b>.360</b> <t< td=""><td><b>.3</b>40 <t< td=""><td>.350 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<>	<b>.390</b> <t< td=""><td>.410 <t< td=""><td><b>.360</b> <t< td=""><td><b>.3</b>40 <t< td=""><td>.350 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.410 <t< td=""><td><b>.360</b> <t< td=""><td><b>.3</b>40 <t< td=""><td>.350 <t< td=""></t<></td></t<></td></t<></td></t<>	<b>.360</b> <t< td=""><td><b>.3</b>40 <t< td=""><td>.350 <t< td=""></t<></td></t<></td></t<>	<b>.3</b> 40 <t< td=""><td>.350 <t< td=""></t<></td></t<>	.350 <t< td=""></t<>
MAR	.290 <t< td=""><td>.210 <t< td=""><td></td><td>•</td><td>.290 <t< td=""><td>.230 <t< td=""></t<></td></t<></td></t<></td></t<>	.210 <t< td=""><td></td><td>•</td><td>.290 <t< td=""><td>.230 <t< td=""></t<></td></t<></td></t<>		•	.290 <t< td=""><td>.230 <t< td=""></t<></td></t<>	.230 <t< td=""></t<>
APR	.240 <t< td=""><td>.250 <t< td=""><td>.260 <t< td=""><td></td><td></td><td>•</td></t<></td></t<></td></t<>	.250 <t< td=""><td>.260 <t< td=""><td></td><td></td><td>•</td></t<></td></t<>	.260 <t< td=""><td></td><td></td><td>•</td></t<>			•
MAY	.360 <t< td=""><td>.350 <t< td=""><td>.380 <t< td=""><td></td><td>.380 <t< td=""><td></td></t<></td></t<></td></t<></td></t<>	.350 <t< td=""><td>.380 <t< td=""><td></td><td>.380 <t< td=""><td></td></t<></td></t<></td></t<>	.380 <t< td=""><td></td><td>.380 <t< td=""><td></td></t<></td></t<>		.380 <t< td=""><td></td></t<>	
JUN	.320 <t< td=""><td>.270 <t< td=""><td><b>.36</b>0 <t< td=""><td></td><td><b>.36</b>0 <t< td=""><td></td></t<></td></t<></td></t<></td></t<>	.270 <t< td=""><td><b>.36</b>0 <t< td=""><td></td><td><b>.36</b>0 <t< td=""><td></td></t<></td></t<></td></t<>	<b>.36</b> 0 <t< td=""><td></td><td><b>.36</b>0 <t< td=""><td></td></t<></td></t<>		<b>.36</b> 0 <t< td=""><td></td></t<>	
JUL	.380 <t< td=""><td>.420 <t< td=""><td>.420 <t< td=""><td></td><td><b>.36</b>0 <t< td=""><td><b>.38</b>0 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.420 <t< td=""><td>.420 <t< td=""><td></td><td><b>.36</b>0 <t< td=""><td><b>.38</b>0 <t< td=""></t<></td></t<></td></t<></td></t<>	.420 <t< td=""><td></td><td><b>.36</b>0 <t< td=""><td><b>.38</b>0 <t< td=""></t<></td></t<></td></t<>		<b>.36</b> 0 <t< td=""><td><b>.38</b>0 <t< td=""></t<></td></t<>	<b>.38</b> 0 <t< td=""></t<>
AUG	.330 <t< td=""><td>.370 <t< td=""><td>.450 <t< td=""><td></td><td>•</td><td>•</td></t<></td></t<></td></t<>	.370 <t< td=""><td>.450 <t< td=""><td></td><td>•</td><td>•</td></t<></td></t<>	.450 <t< td=""><td></td><td>•</td><td>•</td></t<>		•	•
SEP	.260 <t< td=""><td>.330 <t< td=""><td>.310 <t< td=""><td></td><td>.320 <t< td=""><td></td></t<></td></t<></td></t<></td></t<>	.330 <t< td=""><td>.310 <t< td=""><td></td><td>.320 <t< td=""><td></td></t<></td></t<></td></t<>	.310 <t< td=""><td></td><td>.320 <t< td=""><td></td></t<></td></t<>		.320 <t< td=""><td></td></t<>	
OCT	.240 <t< td=""><td>.250 <t< td=""><td>.250 <t< td=""><td>.240 <t< td=""><td>.220 <t< td=""><td></td></t<></td></t<></td></t<></td></t<></td></t<>	.250 <t< td=""><td>.250 <t< td=""><td>.240 <t< td=""><td>.220 <t< td=""><td></td></t<></td></t<></td></t<></td></t<>	.250 <t< td=""><td>.240 <t< td=""><td>.220 <t< td=""><td></td></t<></td></t<></td></t<>	.240 <t< td=""><td>.220 <t< td=""><td></td></t<></td></t<>	.220 <t< td=""><td></td></t<>	
NOV	.230 <t< td=""><td>.240 <t< td=""><td>.290 <t< td=""><td></td><td>.290 <t< td=""><td></td></t<></td></t<></td></t<></td></t<>	.240 <t< td=""><td>.290 <t< td=""><td></td><td>.290 <t< td=""><td></td></t<></td></t<></td></t<>	.290 <t< td=""><td></td><td>.290 <t< td=""><td></td></t<></td></t<>		.290 <t< td=""><td></td></t<>	
DEC	.350 <t< td=""><td>.310 <t< td=""><td>.400 <t< td=""><td>.200 <t< td=""><td>.260 <t< td=""><td>.260 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<>	.310 <t< td=""><td>.400 <t< td=""><td>.200 <t< td=""><td>.260 <t< td=""><td>.260 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.400 <t< td=""><td>.200 <t< td=""><td>.260 <t< td=""><td>.260 <t< td=""></t<></td></t<></td></t<></td></t<>	.200 <t< td=""><td>.260 <t< td=""><td>.260 <t< td=""></t<></td></t<></td></t<>	.260 <t< td=""><td>.260 <t< td=""></t<></td></t<>	.260 <t< td=""></t<>
ZINC (UG/L	)		DET'N LI	MIT = .001	GUIDELINE =	5000. (A3)
JAN	1.900	2.900	24.000	2.400	4.900	3.000
FEB	1.800	3.400	3.200	40.000	14.000	2.700
MAR	2.300	3.500			5.500	2.800
APR	1.800	2.700	26.000	2.400	•	1.000
WAV	7 700	7 700	17 000	4 700	/ 700	1 000

HAY

2.700

2.300

13.000

1.700

DISTRIBUTION SYSTEM

1.900

4.300

DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP) 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
JUN	3.800	3.000	26.000	4.100	10.000	3.200
JUL	3.170	2.990	31.350	3.320	10.740	3.420
AUG	2.700	2.600	37.000	3.700		
SEP	1.900	2.600	36.000	2.300	6.900	1.700
OCT	1.900	1.700	31.000	6.000	4.800	1.700
NOV	2.300	2.200	25.000	2.400	7.800	2.700
DEC	2.400	1.700 <t< td=""><td>32.000</td><td>2.400</td><td>7.600</td><td>1.700 <t< td=""></t<></td></t<>	32.000	2.400	7.600	1.700 <t< td=""></t<>

## DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP) 1989

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	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	PESTICI	DES & PCB				
ALPHA BHC	(NG/L )		DET'N LIM	IT = 1.000	GUIDELINE = 70	0 (G)
JAN	BDL	2.000 <t< th=""><th>•</th><th>BDL</th><th></th><th>BDL</th></t<>	•	BDL		BDL
FEB	1.000 <t< th=""><th>1.000 <t< th=""><th></th><th>BDL</th><th>•</th><th>BDL</th></t<></th></t<>	1.000 <t< th=""><th></th><th>BDL</th><th>•</th><th>BDL</th></t<>		BDL	•	BDL
MAR	2.000 <t< th=""><th>2.000 <t< th=""><th></th><th></th><th>•</th><th>BDL</th></t<></th></t<>	2.000 <t< th=""><th></th><th></th><th>•</th><th>BDL</th></t<>			•	BDL
APR	BOL	1.000 <t< th=""><th></th><th>1.000 <t< th=""><th>•</th><th>•</th></t<></th></t<>		1.000 <t< th=""><th>•</th><th>•</th></t<>	•	•
MAY	2.000 <t< th=""><th>2.000 <t< th=""><th></th><th>BDL</th><th>•</th><th>1.000 <t< th=""></t<></th></t<></th></t<>	2.000 <t< th=""><th></th><th>BDL</th><th>•</th><th>1.000 <t< th=""></t<></th></t<>		BDL	•	1.000 <t< th=""></t<>
JUN	BDL	BDL	•	BDL	٠	BDL
JUL	2.000 <t< th=""><th>2.000 <t< th=""><th></th><th>1.000 <t< th=""><th></th><th>1.000 <t< th=""></t<></th></t<></th></t<></th></t<>	2.000 <t< th=""><th></th><th>1.000 <t< th=""><th></th><th>1.000 <t< th=""></t<></th></t<></th></t<>		1.000 <t< th=""><th></th><th>1.000 <t< th=""></t<></th></t<>		1.000 <t< th=""></t<>
AUG	2.000 <t< th=""><th>2.000 <t< th=""><th></th><th>3.000 <t< th=""><th>•</th><th></th></t<></th></t<></th></t<>	2.000 <t< th=""><th></th><th>3.000 <t< th=""><th>•</th><th></th></t<></th></t<>		3.000 <t< th=""><th>•</th><th></th></t<>	•	
SEP	BDL	1.000 <t< th=""><th></th><th>BDL</th><th>•</th><th>1.000 <t< th=""></t<></th></t<>		BDL	•	1.000 <t< th=""></t<>
OCT	1.000 <t< th=""><th>1.000 <t< th=""><th></th><th>1.000 <t< th=""><th>•</th><th>1.000 <t< th=""></t<></th></t<></th></t<></th></t<>	1.000 <t< th=""><th></th><th>1.000 <t< th=""><th>•</th><th>1.000 <t< th=""></t<></th></t<></th></t<>		1.000 <t< th=""><th>•</th><th>1.000 <t< th=""></t<></th></t<>	•	1.000 <t< th=""></t<>
NOV	1.000 <t< th=""><th>2.000 <t< th=""><th></th><th>2.000 <t< th=""><th></th><th>2.000 <t< th=""></t<></th></t<></th></t<></th></t<>	2.000 <t< th=""><th></th><th>2.000 <t< th=""><th></th><th>2.000 <t< th=""></t<></th></t<></th></t<>		2.000 <t< th=""><th></th><th>2.000 <t< th=""></t<></th></t<>		2.000 <t< th=""></t<>
DEC	BDL	BDL		BDL	•	1.000 <t< th=""></t<>

### DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP) 1989

## WATER TREATMENT PLANT DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	PKENOLI	CS				
PHENOLICS	(UG/L )		DET'N LI	MIT = 0.2	GUIDELINE =	2.00 (A3)
JAN	1.600	1.800			٠	· .
FEB	1.200	1.200			•	
MAR	1.200	1.000		•		
APR	.800 <t< td=""><td>1.000 <t< td=""><td></td><td></td><td></td><td></td></t<></td></t<>	1.000 <t< td=""><td></td><td></td><td></td><td></td></t<>				
MAY	1.400	1.000 <t< td=""><td></td><td></td><td>•</td><td></td></t<>			•	
JUN	.600 <t< td=""><td>1.000 <t< td=""><td></td><td></td><td>•</td><td></td></t<></td></t<>	1.000 <t< td=""><td></td><td></td><td>•</td><td></td></t<>			•	
JUL	.800 <t< td=""><td>1.000</td><td></td><td></td><td></td><td></td></t<>	1.000				
AUG	1.200	1.600				
SEP	1.800	2.600			•	•
OCT	.600 <t< td=""><td>2.200</td><td></td><td></td><td></td><td></td></t<>	2.200				
NOV	.600 <t< td=""><td>1.000</td><td></td><td></td><td></td><td></td></t<>	1.000				
DEC	BDL	.600 <t< td=""><td></td><td></td><td>•</td><td></td></t<>			•	

## DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP) 1989

#### WATER TREATMENT PLANT

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JAN

FEB

MAR

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	VOLATILI	ES				
TOLUENE (U	G/L )		DET'N L	IMIT = .050	GUIDELINE =	24.0 (B4)
JAN	BDL	.050 <t< td=""><td></td><td>.050 &lt;</td><td>т.</td><td>BOL</td></t<>		.050 <	т.	BOL
FEB	BDL	BOL		BDL	•	BDL
MAR	BDL	.050 <t< td=""><td></td><td></td><td></td><td>.100 <t< td=""></t<></td></t<>				.100 <t< td=""></t<>
APR	.150 <ĭ	.150 <t< td=""><td></td><td>.100 &lt;</td><td>т.</td><td>•</td></t<>		.100 <	т.	•
MAY	BDL	.100 <t< td=""><td></td><td>BDL</td><td>•</td><td>BOL</td></t<>		BDL	•	BOL
JUN	BDL	BDL		BDL	•	BOL
JUL	.150 <t< td=""><td>.150 <t< td=""><td></td><td>BDL</td><td>•</td><td>BDL</td></t<></td></t<>	.150 <t< td=""><td></td><td>BDL</td><td>•</td><td>BDL</td></t<>		BDL	•	BDL
AUG	BOL	BOL		BDL	٠	•
SEP	BOL	.150 <t< td=""><td></td><td>BDL</td><td>٠</td><td>١U</td></t<>		BDL	٠	١U
OCT	BDL	BOL		BDL	•	BOL
NOV	BDL	BOL		BDL	٠	BDL
DEC	BDL	BDL	۰	BDL	٠	BOL
THYLBENZEI	NE (UG/L )		DET'N L	IMIT = .050	GUIDELINE =	2.4 (B4)
NAL	BDL	.100 <t< td=""><td></td><td>.050 &lt;</td><td>т.</td><td>BDL</td></t<>		.050 <	т.	BDL
FEB	.100 <t< td=""><td>BOL</td><td></td><td>.050 &lt;</td><td>r.</td><td>BDL</td></t<>	BOL		.050 <	r.	BDL
MAR	BDL	.100 <t< td=""><td></td><td></td><td></td><td>.050 &lt;1</td></t<>				.050 <1
APR	.100 <t< td=""><td>.15D <t< td=""><td></td><td>.150 &lt;</td><td></td><td></td></t<></td></t<>	.15D <t< td=""><td></td><td>.150 &lt;</td><td></td><td></td></t<>		.150 <		
MAY	BDL	.150 <t< td=""><td></td><td>.050 &lt;</td><td>T.</td><td>BDL</td></t<>		.050 <	T.	BDL
JUN	.050 <t< td=""><td>BDL</td><td></td><td>BDL</td><td>•</td><td>BDL</td></t<>	BDL		BDL	•	BDL
JUL	.050 <t< td=""><td>.050 <t< td=""><td></td><td>BDL</td><td>•</td><td>BDL</td></t<></td></t<>	.050 <t< td=""><td></td><td>BDL</td><td>•</td><td>BDL</td></t<>		BDL	•	BDL
AUG	BOL	BDL		BOL		
SEP	BOL	BDL		BDL		!U
OCT	BDL	BDL		BOL		BOL
NOV	.050 <t< td=""><td></td><td></td><td>BDL</td><td></td><td>BOL</td></t<>			BDL		BOL
DEC	BOL	BDL		BOL		BOL
-XYLENE (I	JG/L )		DET'N L	IMIT = .100	GUIDELINE =	300 (B4)
NAL	BOL	.100 <t< td=""><td></td><td>BDL</td><td></td><td>BDL</td></t<>		BDL		BDL
FEB	BOL	BOL	•	BOL		BDL
MAR	BOL	BOL				BDL
APR	.200 <t< td=""><td>BOL</td><td></td><td>BDL</td><td></td><td></td></t<>	BOL		BDL		
MAY	BOL	BDL		BOL		BOL
JUN	BOL	BOL		BDL		BOL
JUL	BOL			BOL		BOL
AUG	BDL	BDL		BDL	•	
SEP	BDL	BDL		BOL	•	• !U
OCT	BOL	BDL	•	BOL	•	BOL
NOV	BOL	BOL		BDL		BOL
DEC	BDL	BDL	•	BOL	•	BOL

BDL .050 <T BOL .050 <T BDL .050 <T . . BOL BDL •

DISTRIBUTION SYSTEM

BOL

BOL

BDL

### DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP) 1989

DISTRIBUTION SYSTEM

#### WATER TREATMENT PLANT

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
400	001	201		201		
APR	BDL	BOL	•	BDL	•	BOL
MAY	BOL	BOL	•	BOL	•	BOL
JUN	BDL	BDL	•	BDL	٠	BOL
JUL	BDL	BOL	٠	BOL	•	
AUG	BDL	BDL	•	BOL	•	IU
SEP	BOL	BDL	•	BOL	•	BOL
OCT	BDL	BDL	•	BOL	•	
NOV	BOL	BDL	•	BDL	•	BDL
DEC	BOL	BOL	•	BOL	•	BOL
YRENE (U	IG/L )		DET'N LI	IMIT = .050	GUIDELINE =	46.5 (D2)
JAN	BOL	.400 <t< td=""><td>•</td><td>.100 <t< td=""><td></td><td>BOL</td></t<></td></t<>	•	.100 <t< td=""><td></td><td>BOL</td></t<>		BOL
FEB	.050 <t< td=""><td>.350 &lt;ĭ</td><td></td><td>.350 <t< td=""><td></td><td>.200</td></t<></td></t<>	.350 <ĭ		.350 <t< td=""><td></td><td>.200</td></t<>		.200
MAR	BOL	.350 <t< td=""><td>•</td><td></td><td></td><td>.300 ·</td></t<>	•			.300 ·
APR	.750	.400 <t< td=""><td>•</td><td>.400 &lt;<del>T</del></td><td>•</td><td>٠</td></t<>	•	.400 < <del>T</del>	•	٠
MAY	.100 <ī	.500 UCS		.150 <t< td=""><td></td><td>.050</td></t<>		.050
JUN	.200 <t< td=""><td>.050 <t< td=""><td></td><td>.100 <t< td=""><td>•</td><td>.050</td></t<></td></t<></td></t<>	.050 <t< td=""><td></td><td>.100 <t< td=""><td>•</td><td>.050</td></t<></td></t<>		.100 <t< td=""><td>•</td><td>.050</td></t<>	•	.050
JUL	.300 <t< td=""><td>.200 <t< td=""><td></td><td>.100 <t< td=""><td></td><td>.050</td></t<></td></t<></td></t<>	.200 <t< td=""><td></td><td>.100 <t< td=""><td></td><td>.050</td></t<></td></t<>		.100 <t< td=""><td></td><td>.050</td></t<>		.050
AUG	.100 <t< td=""><td>BDL</td><td></td><td>BOL</td><td>*</td><td>•</td></t<>	BDL		BOL	*	•
SEP	BDL	BDL		BDL		IU
OCT	BDL	.050 <ĭ		BOL		BOL
NOV	.350 <t< td=""><td>.100 <t< td=""><td>٠</td><td>.100 <t< td=""><td></td><td>.050</td></t<></td></t<></td></t<>	.100 <t< td=""><td>٠</td><td>.100 <t< td=""><td></td><td>.050</td></t<></td></t<>	٠	.100 <t< td=""><td></td><td>.050</td></t<>		.050
DEC	BDL	.050 <t< td=""><td>•</td><td>.050 <t< td=""><td>•</td><td>BDL</td></t<></td></t<>	•	.050 <t< td=""><td>•</td><td>BDL</td></t<>	•	BDL
LORDFORM	I (UG/L )		DET'N LI	IMIT = .100	GUIDELINE =	350 (A1+)
JAN	BDL	6.100		6.000	•	5.800
FEB	BDL	6.100		6.000		6.200
MAR	.200 <t< td=""><td>4.800</td><td></td><td></td><td>•</td><td>4.800</td></t<>	4.800			•	4.800
APR	.200 <t< td=""><td>7.600</td><td></td><td>8.300</td><td></td><td></td></t<>	7.600		8.300		
MAY	.300 <t< td=""><td>7.200</td><td></td><td>7,900</td><td>•</td><td>8.200</td></t<>	7.200		7,900	•	8.200
JUN	BDL	5.600		6.300		5.800
JUL	BDL	6.200		6.100		5.700
AUG	2.400	10.100		11.300		
SEP	BDL	10.000		10.400		10
OCT	BDL	7.300	-	7.500		7.200
NOV	BDL	5.300	•	5.100	•	5.300
DEC	.200 <t< td=""><td>6.500</td><td>•</td><td>6.400</td><td></td><td>6.000</td></t<>	6.500	•	6.400		6.000
1, TRICH	ILOROETHANE (UG/L	)	DET'N L	IMIT = .020	GUIDELINE =	200 (D1)
JAN	BOL	BDL		BOL		BOL
FEB	BDL	BDL	•	.020 <7	•	BOL
MAR	BDL	BOL	•		٠	BDL
			•	PDI	•	
APR	.120 <t< td=""><td>BDL</td><td>•</td><td>BDL</td><td>•</td><td>801</td></t<>	BDL	•	BDL	•	801
MAY	.020 <t< td=""><td>.020 <t< td=""><td></td><td>.020 <t< td=""><td>•</td><td>BOL</td></t<></td></t<></td></t<>	.020 <t< td=""><td></td><td>.020 <t< td=""><td>•</td><td>BOL</td></t<></td></t<>		.020 <t< td=""><td>•</td><td>BOL</td></t<>	•	BOL
JUN	BDL	BDL	*	BOL	•	BDL
JUL	BOL	BDL	٠	BOL	•	BOL
ALIG	HI II	RDI		RUI		

BOL

.

AUG

BOL

BDL

## DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP) 1989

#### WATER TREATMENT PLANT

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
SEP	BDL	BDL		BDL		10
OCT	BDL	BDL	•	BOL	•	BOL
NOV	BDL	BDL		BOL		BDL
DEC	BDL	BDL	•	.020 <t< td=""><td>٠</td><td>BDL</td></t<>	٠	BDL
CARBON TET	RACHLORIDE (UG/L	)	DET'N	LIMIT = .200	GUIDELINE =	5.0 (D1)
JAN	BDL	.800 <t< td=""><td>•</td><td>.600 <t< td=""><td>•</td><td>.600 <t< td=""></t<></td></t<></td></t<>	•	.600 <t< td=""><td>•</td><td>.600 <t< td=""></t<></td></t<>	•	.600 <t< td=""></t<>
FEB	BDL	BDL	•	BDL	•	BDL
MAR	BDL	BDL	•	•	•	BDL
APR	BDL	.400 <t< td=""><td>•</td><td>.400 <t< td=""><td>•</td><td>•</td></t<></td></t<>	•	.400 <t< td=""><td>•</td><td>•</td></t<>	•	•
MAY	BDL	BDL	•	BDL	•	BDL
JUN	BOL	BDL	•	BOL	•	BDL
JUL	BDL	BDL		BDL		BDL
AUG	BOL	BDL		BDL	•	•
SEP	BDL	BDL		BDL		ĮU
OCT	BDL	BDL		BDL	•	BDL
NOV	BDL	BDL		BDL	•	BDL
DEC	BDL	BDL	•	BDL	•	BOL
CICHLOROBR	OMOMETHANE (UG/L	)	DET'N	LIMIT = .050	GUIDELINE =	350 (A1+)
JAN	BDL	6.150		6.500	٠	6.400
FEB	BDL	6.300		6.200		6.500
MAR	.100 <t< td=""><td>5.150</td><td></td><td>•</td><td>•</td><td>5.250</td></t<>	5.150		•	•	5.250
APR	.150 <t< td=""><td>6.200</td><td></td><td>6.500</td><td></td><td>•</td></t<>	6.200		6.500		•
MAY	BDL	6.100		6.600		7.100
JUN	BOL	5.500		6.000	•	5.800
JUL	BOL	5,550		5.650	•	5.400
AUG	2.000	8.250		8.650	•	•
SEP	BDL	7.600		7.800	•	IU.
OCT	BOL	6.150		6.850		6.500
NOV	BDL	5.700		5.650		5.900
DEC	.100 <t< td=""><td>6.650</td><td>•</td><td>6.750</td><td>•</td><td>6.500</td></t<>	6.650	•	6.750	•	6.500
CHLORODIBR	OMOMETHANE (UG/L	>	DET'N	LIMIT = .100	GUIDELINE =	350 (A1+)
NAL	BDL	3.800		4.300	•	4.100
FEB	BDL	3.700		3.800		4.000
MAR	BDL	3.200				3.300
APR	BDL	3.500		3.500		
HAY	BDL	3.900		4.200		4.300
JUN	BDL	3.200		3.800		3.600
JUL	BDL	3.100		3.100		3.300
AUG	1.200	4.200		4.700		•
SEP	BDL	4.400		4.700		10
OCT	BDL	4.400		4.400		5.500
						4.000
NOV	BDL	3.600	-	3.700	•	

## DISTRIBUTION SYSTEM

## DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP) 1989

## WATER TREATMENT PLANT DISTRIBUTION SYSTEM

SITE 2

RAW TREATED SITE 1

	0.00	TREATED	5116 1			
			STANDING	FREE FLOW	STANDING	FREE FLOW
CHLOROETH	YLENE (UG/L	)	DET'N L	IMIT = .050	GUIDELINE =	10.0 (C2)
JAN	BDL	BDL		BDL		BDL
FEB	BDL	BOL	•	BDL		BDL
MAR	BOL	BOL		•		BDL
APR	BOL	BDL		BDL		
HAY	BDL	BDL		BDL		BDL
JUN	BDL	BDL		BDL	•	BDL
JUL	BDL	.100 <t< td=""><td></td><td>.050 <t< td=""><td>•</td><td>BDL</td></t<></td></t<>		.050 <t< td=""><td>•</td><td>BDL</td></t<>	•	BDL
AUG	BDL	BDL		BDL	•	
SEP	BDL	BDL		BDL		10
OCT	BDL	BDL		BDL	•	BDL
NOV	BDL	BDL		BDL	•	BDL
DEC	BDL	BOL	•	BDL		BDL
ROMOFORM (	(UG/L )		DET'N L	IMIT = .200	GUIDELINE =	350 (A1+)
JAN	BDL	.600 <t< td=""><td></td><td>.600 <t< td=""><td></td><td>.600 <t< td=""></t<></td></t<></td></t<>		.600 <t< td=""><td></td><td>.600 <t< td=""></t<></td></t<>		.600 <t< td=""></t<>
FEB	BOL	.400 <t< td=""><td>•</td><td>.600 <t< td=""><td></td><td>.600 <t< td=""></t<></td></t<></td></t<>	•	.600 <t< td=""><td></td><td>.600 <t< td=""></t<></td></t<>		.600 <t< td=""></t<>
MAR	BDL	.600 <t< td=""><td>٠</td><td></td><td>•</td><td>.600 <t< td=""></t<></td></t<>	٠		•	.600 <t< td=""></t<>
APR	BDL	.600 <t< td=""><td></td><td>.600 <t< td=""><td>•</td><td></td></t<></td></t<>		.600 <t< td=""><td>•</td><td></td></t<>	•	
HAY	BOL	.600 <t< td=""><td></td><td>.600 <t< td=""><td></td><td>.600 <t< td=""></t<></td></t<></td></t<>		.600 <t< td=""><td></td><td>.600 <t< td=""></t<></td></t<>		.600 <t< td=""></t<>
JUN	BDL	.400 <t< td=""><td></td><td>.600 <t< td=""><td>٠</td><td>.400 <t< td=""></t<></td></t<></td></t<>		.600 <t< td=""><td>٠</td><td>.400 <t< td=""></t<></td></t<>	٠	.400 <t< td=""></t<>
JUL	BOL	.600 <t< td=""><td></td><td>.600 <t< td=""><td>•</td><td>.600 <t< td=""></t<></td></t<></td></t<>		.600 <t< td=""><td>•</td><td>.600 <t< td=""></t<></td></t<>	•	.600 <t< td=""></t<>
AUG	.200 <t< td=""><td>.600 <t< td=""><td></td><td>.600 <t< td=""><td>•</td><td></td></t<></td></t<></td></t<>	.600 <t< td=""><td></td><td>.600 <t< td=""><td>•</td><td></td></t<></td></t<>		.600 <t< td=""><td>•</td><td></td></t<>	•	
SEP	BDL	.600 <t< td=""><td>•</td><td>.600 <t< td=""><td>•</td><td>IU</td></t<></td></t<>	•	.600 <t< td=""><td>•</td><td>IU</td></t<>	•	IU
OCT	BDL	.800 <t< td=""><td>•</td><td>.600 <t< td=""><td>•</td><td>.800 <t< td=""></t<></td></t<></td></t<>	•	.600 <t< td=""><td>•</td><td>.800 <t< td=""></t<></td></t<>	•	.800 <t< td=""></t<>
NOV	BDL	.600 <t< td=""><td></td><td>.600 <t< td=""><td>•</td><td>.600 <t< td=""></t<></td></t<></td></t<>		.600 <t< td=""><td>•</td><td>.600 <t< td=""></t<></td></t<>	•	.600 <t< td=""></t<>
DEC	BDL	.600 <t< td=""><td>•</td><td>.800 <t< td=""><td>•</td><td>.600 <t< td=""></t<></td></t<></td></t<>	•	.800 <t< td=""><td>•</td><td>.600 <t< td=""></t<></td></t<>	•	.600 <t< td=""></t<>
,4 DICHLOR	ROBENZENE (UG/L	)	DET'N L	IMIT = .100	GUIDELINE =	5.0 (B1)
JAN	BOL	BDL		BDL		BOL
FEB	BDL	BDL	•	BDL	•	BDL
MAR	BDL	BDL	•	•	٠	BDL
APR	BDL	BDL	•	BOL		•
MAY	BDL	BDL		BOL	•	BDL
JUN	BDL	BDL		BDL	٠	BDL
JUL	BDL	BDL		BDL	•	BDL
		BDL		BOL		•
AUG	BDL	UUL				
	BDL BDL	BDL	•	BDL	٠	IU
AUG			•	BDL	•	BOL
AUG SEP	BDL	BDL	•		• •	
AUG SEP OCT	BDL BDL	BD L BD L		BDL	• • •	BDL
AUG SEP OCT NOV DEC	BDL BDL BDL	BDL BDL BDL BDL	Det'n l	BOL BOL	GUIDELINE =	BDL BDL BDL
AUG SEP OCT NOV DEC	BDL BDL BDL BDL	BDL BDL BDL BDL	Det'n L	BDL BDL .100 <t< td=""><td>GUIDELINE =</td><td>BDL BDL BDL</td></t<>	GUIDELINE =	BDL BDL BDL
AUG SEP OCT NOV DEC OTL TRIHAN	BDL BDL BDL BDL LOMETHANES (UG/I	BDL BDL BDL BDL	Det'n L	BDL BDL .100 <t IMIT = .500</t 	GUIDELINE =	BDL BDL BDL 350 (A1)
AUG SEP OCT NOV DEC OTL TRIHAL	BDL BDL BDL BDL LOMETHANES (UG/I BDL	BDL BDL BDL L) 17.450	DET'N L	BDL BDL .100 <t IMIT = .500 18.000</t 	GUIDELINE =	BDL BDL BDL 350 (A1) 17.500

### DRINKING WATER SURVEILLANCE PROGRAM METRO TORONTO (EASTERLY WTP) 1989

DISTRIBUTION SYSTEM

### WATER TREATMENT PLANT

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
MAY	BOL	17.800		19.300		20,200
JUN	BDL	14,700		16.700		15.600
JUL	BOL	15,450		15.450		15.000
AUG	5.800	23.150		25.250	•	•
SEP	BDL	22.600		23.500		IU
OCT	BOL	18.650		19.350		20.000
NOV	BDL	15.200		15.050		15.800
DEC	BDL	17.150		17.050		16.500

TRACE LEVELS OF TOLUENE ARE LABORATORY ARTIFACTS DERIVED FROM THE ANALYTICAL METHODOLOGY.

TRACE LEVELS OF STYRENE ARE CONSIDERED TO BE LABORATORY ARTIFACTS RESULTING FROM THE LABORATORY SHIPPING CONTAINERS.

Tab.	Le 6			
		DETECTIO		
SCAN/PARAMETER	UNIT	<u>LIMIT</u>	GUIDE	LINE
BACTERIOLOGICAL				
FECAL COLIFORM MEMBRANE FILTRATION	CT/100ML	0	0	(A1)
STANDARD PLATE COUNT MEMBRANE	CT/ML	0	500/M	L(A1)
FILTRATION				
TOTAL COLIFORM MEMBRANE FILTRATION	CT/100ML	0	5/100m	L(Al)
TOTAL COLIFORM BACKGROUND MF	CT/100ML	0	N/A	. ,
	/			
CHLOROAROMATICS				
HEXACHLOROBUTADIENE	NG/L	1.000	450.	(D4)
1,2,3-TRICHLOROBENZENE	NG/L		10000	(I)
1,2,3,4-TETRACHLOROBENZENE	NG/L		10000	(I)
1,2,3,5-TETRACHLOROBENZENE	NG/L NG/L		10000	
1,2,4-TRICHLOROBENZENE	•			(I) (I)
	NG/L		10000	(I)
1,2,4,5-TETRACHLOROBENZENE	NG/L		38000	(D4)
1,3,5-TRICHLOROBENZENE	NG/L		10000	(D4)
HEXACHLOROBENZENE	NG/L	1.0		(C1)
HEXACHLOROETHANE	NG/L		1900.	(D4)
OCTACHLOROSTYRENE	NG/L	1.000		
PENTACHLOROBENZENE	NG/L		74000	(D4)
2,3,6-TRICHLOROTOLUENE	NG/L	5.000	•	
2,4,5-TRICHLOROTOLUENE	NG/L	5.000	N/A	
2,6,A-TRICHLOROTOLUENE	NG/L	5.000	N/A	
CHLOROPHENOLS				
2,3,4-TRICHLOROPHENOL	NG/L	50.	N/A	
2,3,4,5-TETRACHLOROPHENOL	NG/L	50.	N/A	
2,3,5,6-TETRACHLOROPHENOL	NG/L	50.	N/A	
2,4,5-TRICHLOROPHENOL	NG/L	50. 2	600000	(D4)
2,4,6-TRICHLOROPHENOL	NG/L	50.	2000.	(B4)
PENTACHLOROPHENOL	NG/L	50.	30000.	(B4)
CHEMISTRY (FLD)				
FIELD COMBINED CHLORINE RESIDUAL	MG/L	N/A	N/A	
FIELD FREE CHLORINE RESIDUAL	MG/L	N/A	N/A	
FIELD TOTAL CHLORINE RESIDUAL	MG/L	N/A	N/A	
FIELD PH	DMSNLESS	•	6.5-8.	5(A4)
FIELD TEMPERATURE	°c	N/A	<15 %	
FIELD TURBIDITY	FTU	N/A		(A1)
		·		
CHEMISTRY (LAB)				
ALKALINITY	MG/L	.200	30-50	0(A4)
CALCIUM	MG/L	.100	100.	(F2)
CYANIDE	MG/L	.001	. 2	0(A1)
CHLORIDE	MG/L	.200	250.	
COLOUR	TCU	.5		(A3)
CONDUCTIVITY	UMHO/CM	1.	400.	
FLUORIDE	MG/L	.01		(A1)
HARDNESS	MG/L	.50	80-10	
MAGNESIUM	MG/L	.05	30.	
				. /

Table 6

	DE	rection		
SCAN/PARAMETER	UNIT	LIMIT	GUIDEL	INE
NITE	MG/L	.001	1.0	(A1)
	MG/L	.02	10.	(A1)
	MG/L MG/L	.02	N/A	( /
	•	.02 N/A		( ) 4 )
E 1A	DMSNLESS	•		(14)
	MG/L	.0005		
	MG/L	.002		(F2)
	MG/L	1.	500.	(A3)
TURBIDITY	FTU	.02	1.0	(A1)
METALS				
	UG/L	.050	100.	(A4)
	UG/L	.050	10.	(F3)
	•		50.	
	UG/L	.050		(A1)
	UG/L		1000.	(A1)
	UG/L		5000.	(A1)
	UG/L	.010		) (H)
CADMIUM	UG/L	.050		(A1)
COBALT	UG/L	.020	1000.	(H)
CHROMIUM	UG/L	.100	50.	(A1)
COPPER	UG/L	.100	1000.	(A3)
	UG/L	5.0	300.	(A3)
	UG/L	.01	1.0	(A1)
	UG/L	.050	50.	(A3)
	UG/L	.020	500.	(H)
	UG/L	.100	50.	(F3)
	UG/L	.020	50.	(A1)
	•	.200	10.	(A1)
	UG/L	.020	50.	(A1)
	UG/L			
	UG/L		2000.	(H)
	UG/L	.010	13.	(D4)
	UG/L	.100	N/A	
URANIUM	UG/L	.020	20.	(A2)
VANADIUM	UG/L	.020	100.	(H)
ZINC	UG/L	.020	5000.	(A3)
PHENOLICS				
PHENOLICS (UNFILTERED REACTIVE)	UG/L	.2	2.0	(EA)
PRENOLICS (UNFILIERED REACTIVE)	00/1	• 2		( )
PESTICIDES & PCB				
ALDRIN	NG/L	1.0	700.	(A1)
	NG/L	50. 3	00000.	(D3)
ATRAZINE	NG/L		60000.	(B3)
	NG/L	1.0	700.	(G)
	•	1.0		(G)
BETA HEXACHLOROCYCLOHEXANE (BHC)	NG/L	1.0		(A1)
GAMMA HEXACHLOROCYCLOHEXANE(LINDANE)				
ALPHA CHLORDANE	NG/L	2.0		(A1)
GAMMA CHLORDANE	NG/L	2.0		(A1)
BLADEX	NG/L		10000.	(B3)
DIELDRIN	NG/L	2.0	700.	(A1)
METHOXYCHLOR	NG/L		00000.	(B1)
ENDOSULFAN 1 (THIODAN I)	NG/L		74000.	(D4)
ENDOSULFAN 2 (THIODAN II)	NG/L	4.0	74000.	(D4)
ENDRIN	NG/L	4.0	200.	(A1)
ENDOSULFAN SULPHATE (THIODAN SULPHATE)	NG/L	4.0	N/A	
HEPTACHLOR EPOXIDE	NG/L	1.0	3000.	(A1)

,

CON (DEDAVEMED		DETECTION		GUIDELINE	
SCAN/PARAMETER	UNIT	LIMIT	GUIDE	LINE	
HEPTACHLOR	NG/L	1.0	3000.	(A1)	
METOLACHLOR	NG/L	500.	50000.	(B3)	
MIREX	NG/L	5.0	N/A	()	
OXYCHLORDANE	NG/L	2.0	N/A		
O, P-DDT	NG/L	5.0	30000.	(A1)	
PCB	NG/L	20.0	3000.	(A2)	
O, P-DDD	NG/L	5.0	N/A	( )	
PPDDE	NG/L	1.0	30000.	(A1)	
PPDDT	NG/L	5.0	30000.	(A1)	
ATRATONE	NG/L	50.	N/A	()	
ALACHLOR	NG/L	500.	35000.	(D2)	
PROMETONE	NG/L	50.	52500.	(D3)	
PROPAZINE	NG/L	50.	16000.	(D2)	
PROMETRYNE	NG/L	50.	1000.	(B3)	
SENCOR (METRIBUZIN)	NG/L	100.	80000.	(B2)	
SIMAZINE	NG/L	50.	10000.	(B2)	
		501	100001	(20)	
POLYAROMATIC HYDROCARBONS					
PHENANTHRENE	NG/L	10.0	N/A		
ANTHRACENE	NG/L	1.0	N/A		
FLUORANTHENE	NG/L	20.0	42000.	(D4)	
PYRENE	NG/L	20.0	42000. N/A	(04)	
BENZO (A) ANTHRACENE	NG/L	20.0	N/A		
CHRYSENE	NG/L	50.0	N/A		
DIMETHYL BENZO(A)ANTHRACENE	NG/L	5.0	N/A		
BENZO (E) PYRENE	NG/L	50.0	N/A		
BENZO(B) FLUORANTHENE	NG/L	10.0	N/A		
PERYLENE	NG/L	10.0	N/A		
BENZO (K) FLUORANTHENE	NG/L	1.0	N/A		
BENZO(A) PYRENE	NG/L	5.0	10.	(B1)	
BENZO(G,H,I)PERYLENE	NG/L	20.0	N/A	(51)	
DIBENZO(A, H) ANTHRACENE	NG/L	10.0	N/A		
INDENO(1,2,3-C,D)PYRENE	NG/L	20.0	N/A		
BENZO (B) CHRYSENE	NG/L	2.0	N/A		
CORONENE	NG/L	10.0	N/A		
SPECTRIC PECALOTDES	,_		.,		
SPECIFIC PESTICIDES					
TOXAPHENE	NG/L	N/A	5000.	(A1)	
2,4,5-TRICHLOROBUTYRIC ACID	NG/L	50.	200000.	(B4)	
(2,4,5-T)					
2,4-DICHLOROBUTYRIC ACID (2,4-D)	NG/L		100000.	(A1)	
2,4-DICHLORORPHENOXYBUTYRIC ACID	NG/L	200.	18000.	(B3)	
2,4-D PROPIONIC ACID	NG/L	100.	N/A		
DICAMBA	NG/L		120000.	(B1)	
PICLORAM	NG/L		190000.	(B3)	
SILVEX (2,4,5-TP)	NG/L	50.	10000.	(A1)	
DIAZINON	NG/L	20.	20000.	(B1)	
DICHLOROVOS	NG/L	20.	N/A		
DURSBAN	NG/L	20.	N/A		
ETHION	NG/L	20.	35000.	(G)	
GUTHION (AZINPHOSMETHYL)	NG/L	N/A	20000.	(B1)	
MALATHION	NG/L		190000.	(B1)	
MEVINPHOS	NG/L	20.	N/A		
METHYL PARATHION	NG/L	50.	7000.	(A1)	
METHYLTRITHION	NG/L	20.	N/A		
PARATHION	NG/L	20.	50000.	(B1)	

	זמ	TECTION		
SCAN/PARAMETER	UNIT			
	NG/L	20.	2000.	(B3)
PHORATE (THIMET)	NG/L NG/L	20.	N/A	(20)
RELDAN	NG/L NG/L	20.	N/A	
RONNEL	NG/L NG/L	N/A	N/A	
AMINOCARB	NG/L NG/L	N/A	N/A	
BENONYL	NG/L NG/L	2000.	N/A	
BUX (METALKAMATE)	NG/L NG/L		90000.	(B1)
CARBOFURAN	NG/L NG/L	2000.		(G)
CICP (CHLORPROPHAM)	NG/L	2000.		(H)
DIALLATE	NG/L	2000.	N/A	()
EPTAM	NG/L NG/L	2000.	N/A	
IPC	NG/L NG/L		90000.	(G)
PROPOXUR (BAYGON)	NG/L NG/L		90000.	
SEVIN (CARBARYL)		2000.		
SUTAN (BUTYLATE)	NG/L	2000.	243000.	(00)
VOLATILES				
BENZENE	UG/L	.0	50 5.0	) (B1)
TOLUENE	UG/L	.0	50 24.0	) (B4)
ETHYLBENZENE	UG/L	.0		1 (B4)
PARA-XYLENE	UG/L			(B4)
META-XYLENE	UG/L			(B4)
ORTHO-XYLENE	UG/L			(B4)
1,1-DICHLOROETHYLENE	UG/L			) (D1
ETHLYENE DIBROMIDE	UG/L			
METHYLENE CHLORIDE	UG/L	. 5		(B1)
TRANS-1,2-DICHLOROETHYLENE	UG/L			(D5)
· · ·	UG/L		00 N/A	
1,1-DICHLOROETHANE CHLOROFORM	UG/L			(Al·
1,1,1-TRICHLOROETHANE	UG/L			(D1
	UG/L			0 (D1
1,2-DICHLOROETHANE CARBON TETRACHLORIDE	UG/L			0 (B1
	UG/L			0 (D5
1,2-DICHLOROPROPANE	UG/L		.00 50.	
TRICHLOROETHYLENE DICHLOROBROMOMETHANE	UG/L		50 350.	
	UG/L			60(D4
1,1,2-TRICHLOROETHANE	UG/L			(A1
CHLORODIBROMOMETHANE TETRACHLOROETHYLENE	UG/L			0 (C2
	UG/L		200 350.	(A1
BROMOFORM	UG/L			17 (D4
1,1,2,2-TETRACHLOROETHANE	UG/L		100 60.	
CHLOROBENZENE	UG/L UG/L			0 (B4
1,4-DICHLOROBENZENE	UG/L UG/L		100 130.	-
1, 3-DICHLOROBENZENE	UG/L UG/L			0 (B4
1,2-DICHLOROBENZENE	UG/L UG/L		100 N/A	
TRIFLUOROCHLOROTOLUENE	UG/L UG/L		500 350.	
TOTAL TRIHALOMETHANES	UG/L UG/L		)5 140.	
STYRENE	06/1	• •		(





